

Facility DEC ID: 3551800214

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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 3-5518-00214/00019  
Effective Date: 09/22/2020 Expiration Date: 09/21/2025

Permit Issued To: AMERICAN SUGAR REFINING INC  
1 FEDERAL ST  
YONKERS, NY 10705-1079

Contact: MATT SHUE  
1 FEDERAL ST  
YONKERS, NY 10705  
(914) 709-8238

Facility: AMERICAN SUGAR REFINING INC  
1 FEDERAL ST  
YONKERS, NY 10705

Contact: MATT SHUE  
1 FEDERAL ST  
YONKERS, NY 10705  
(914) 709-8238

**Description:**

This is the second renewal of the facility's Title V permit, which includes nomenclature corrections as well as previous permit's omissions.

It also includes the addition of a new emission point EP00038 along with its associated control equipment (a veturi scrubber). Additionally, the operation venting through Emission Point EP 00007 is further clarified.

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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: REBECCA S CRIST  
21 S PUTT CORNERS RD  
NEW PALTZ, NY 12561

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 4 Permit modifications, suspensions or revocations by the Department

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- 5 5 Submission of application for permit modification or renewal-REGION 3 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

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submitted prior to actual transfer of ownership.

**Condition 4: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 3**

**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 3 Headquarters  
Division of Environmental Permits  
21 South Putt Corners Road  
New Paltz, NY 12561-1696  
(845) 256-3054

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

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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1 FEDERAL ST  
YONKERS, NY 10705-1079

Facility: AMERICAN SUGAR REFINING INC  
1 FEDERAL ST  
YONKERS, NY 10705

Authorized Activity By Standard Industrial Classification Code:  
2062 - CANE SUGAR REFINING

Permit Effective Date: 09/22/2020

Permit Expiration Date: 09/21/2025

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34	40	40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
34	41	40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
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- 34 43 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 35 44 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
- 35 45 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 35 46 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 35 47 40CFR 60.9, NSPS Subpart A: Availability of information.
- 36 48 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 36 49 40CFR 60.12, NSPS Subpart A: Circumvention.
- 36 50 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 36 51 40CFR 60.14, NSPS Subpart A: Modifications.
- 36 52 40CFR 60.15, NSPS Subpart A: Reconstruction
- 37 53 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
- 38 54 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification

**Emission Unit Level**

- 40 55 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 43 56 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 51 57 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

**EU=E-00002**

- 51 \*58 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=E-00002,Proc=C01**

- 55 59 6 NYCRR 227-2.4 (b) (1): Compliance Certification

**EU=E-00002,Proc=C02**

- 55 60 6 NYCRR 227-2.4 (b) (1): Compliance Certification

**EU=E-00002,Proc=C06**

- 56 61 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 57 62 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 59 63 40CFR 60.332, NSPS Subpart GG: Compliance Certification
- 59 64 40CFR 60.333, NSPS Subpart GG: Compliance Certification

**EU=E-00002,Proc=C07**

- 61 65 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 62 66 6 NYCRR 227-2.4 (e) (2): Compliance Certification

**EU=E-00002,Proc=C08**

- 64 67 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 65 68 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 67 69 40CFR 60.332, NSPS Subpart GG: Compliance Certification
- 67 70 40CFR 60.333, NSPS Subpart GG: Compliance Certification

**EU=E-00002,Proc=C09**

- 69 71 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 70 72 6 NYCRR 227-2.4 (e) (2): Compliance Certification

**EU=E-00002,Proc=C12**

- 71 73 6 NYCRR 227-2.4 (b) (1): Compliance Certification

**EU=E-00002,Proc=C13**

- 72 74 6 NYCRR 227-2.4 (b) (1): Compliance Certification
- 73 75 40CFR 60.42b(j), NSPS Subpart Db: Demonstration

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criteria for low sulfur oil.

**EU=E-00002,Proc=C14**

- 73 76 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 74 77 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 76 78 40CFR 60.42b(j), NSPS Subpart Db: Demonstration  
criteria for low sulfur oil.
- 77 79 40CFR 60.332, NSPS Subpart GG: Compliance Certification
- 77 80 40CFR 60.333, NSPS Subpart GG: Compliance Certification

**EU=E-00002,Proc=C15**

- 79 81 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 80 82 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 82 83 6 NYCRR 227-2.6 (c): Compliance Certification

**EU=E-00002,EP=0021C**

- 83 84 6 NYCRR 227-2.6 (c): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 85 85 ECL 19-0301: Contaminant List
- 85 86 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 86 87 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 86 88 6 NYCRR 211.1: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.

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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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

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

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

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

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

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

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

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

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality  
Effective between the dates of 09/22/2020 and 09/21/2025**

**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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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

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reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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,



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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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

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

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specified in any special permit terms or conditions;  
and  
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

Chief – 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 3 Suboffice  
100 Hillside Avenue, #1W  
White Plains, NY 10603

The address for the BQA is as follows:

NYSDEC  
Bureau of Quality Assurance

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625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

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**Applicable Federal Requirement: 6 NYCRR 215.2****Item 9.1:**

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

**Item 9.2**

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

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS**

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**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 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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

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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 09/22/2020 and 09/21/2025**

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

**Item 14.1:**

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

**Condition 15: Requirement to Provide Information**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

**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

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compliance with the permit or applicable requirements.

**Condition 17: Off Permit Changes****Effective between the dates of 09/22/2020 and 09/21/2025****Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)****Item 17.1:**

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

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests****Effective between the dates of 09/22/2020 and 09/21/2025****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 09/22/2020 and 09/21/2025****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:



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- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 20: Recycling and Emissions Reduction**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**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 09/22/2020 and 09/21/2025**

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

**Item 21.1:**

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

Emission Unit: E-00001

Emission Unit Description:

Process sources including dryers, granulators, conveying and storage systems, and other miscellaneous sources.

This unit includes four new dust collectors which have been installed to remove particulates (sugar dust) entrained in the air from the packaging of granulated and powdered sugar products.

Particulate emissions generated in the Bin Tower is collected by fabric filter (EP 00035).

Particulate emissions generated during the filling of

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small packaging are collected by fabric filter (EP 00036).

Particulate emissions generated during the filling of industrial granulated sugar containers are collected by fabric filter (EP 00037).

Particulate emissions generated during sugar product recycle to the melter are collected by venturi scrubber (EP 00038).

Building(s): 10C  
 11B  
 11-C&D  
 12  
 12C  
 12E  
 12G  
 14  
 14A  
 14B  
 3  
 9G  
 9H  
 ADJ-12G  
 YARD

**Item 21.2:**

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

Emission Unit: E-00002

Emission Unit Description:

Renewal 2 (carried over from Renewal 1).

This emission unit includes:

a) one emergency generator rated at 1600KW to be operated under 500 hr per year.

b) one boiler (# 3) rated at 165 mmBTU/hr, which is exhausting flue gases through emission point 21C. Boiler No.3 can fire natural gas or No.2 Oil.

c) one cogeneration unit with a combined heat rating of 167 mmBTU/hr. The cogeneration unit comprises a gas turbine and a duct burner. The gas turbine rated at 58 mmBTU/hr when it operates by itself. The gas burner can operate by itself or in conjunction with the gas turbine. When it is operated by itself, its maximum heat rating is 164 mmBTU/hr, whereas when it is operated in conjunction with the turbine (as a co-gen system) its heat rating is 109mmBTU/hr. The co-gen system is exhausting combustion gases through emission points 23.

The second Renewal gives the Site the flexibility to operate the turbine and the duct burner independently from

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each other, in which case the turbine would exhaust thru EP 23A and the duct burner thru EP23.

The two sources of the cogen system may operate independently exhausting via emission points 23A (gas turbine) and 23 (duct burner) under Process C08, C09, C12, or C13. The turbine and the duct burner can burn natural gas or number 2 oil.

The cogeneration system of this emission unit is allowed operational flexibility as follows:

Process C06 - the turbine operates on natural gas and the duct burner operates on natural gas- cogen mode

Process C07 - the turbine operates on # 2 oil and the duct burner operates on #2 oil - cogen mode

Process C08 - the turbine operates on natural gas, duct burner is either off or operates independently venting thru a separate stack

(EP 23)

Process C09 - the turbine operates on #2, duct burner is either off or operates independently venting thru a separate stack (EP 23)

Process C12 - the duct burner operates on natural gas only, turbine is off or operates independently venting thru a separate

stack (EP 23A).

Process C13 - the duct burner operates on No.2 Oil only, turbine is off or operates independently venting thru a separate

stack (EP 23A).

Process C14 - the turbine operates on natural gas and the duct burner operates on #2 oil - cogen mode

Process C15 - the turbine operates on #2 oil and the duct burner operates on natural gas - cogen mode

Notes: 1. The Facility is using the term duct burner and boiler No.4 interchangeably.

2. The operation of the turbine by itself (not in a cogen mode) is governed by emission limits set previously as per 227-2.4(e) (2), because these were the permit limits it had to comply prior to Renewal 2. No back sliding is allowed.

Building(s): 14B  
4A  
5A

**Condition 22: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 22.1:**





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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 26.2:**

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

**Item 26.3:**

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

**Item 26.4:**

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

**Item 26.5:**

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

**Item 26.6:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 26.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility will calculate its NO<sub>x</sub> emissions from all emission sources, boiler # 3, the turbine, the duct burner and cogeneration system (turbine and duct burner operating together), or the turbine and duct burner (boiler #4) operating independently, as well as the exempt combustion sources. The facility will monitor monthly fuel consumption records per process (as identified herein) and

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calculate emissions using the AP-42 emission factors or emission factors that were derived from source's stack testing. The AP-42 emission factors are to be used by each process are identified below:

1. Operation of processes C06 (cogen system) and C08 (gas turbine only)

Fuel burned: Natural Gas

Emission factor 0.13 lbs NO<sub>x</sub> per mmBTU of natural gas fired.

Reference: AP-42, Table 3.1-1 for sources firing natural gas with water steam injection.

2. Operation of process C07 (cogen system) and C09 (gas turbine only)

Fuel burned: No.2 Oil

Emission factor 0.24 lbs NO<sub>x</sub> per mmBTU of No. 2 Oil fired.

Reference: AP-42, Table 3.1-1 for sources firing distillate oil with water steam injection.

3. Operation of process C12 (duct burner AKA boiler No.4)

Fuel burned: Natural Gas

Emission factor 190 lbs/mmscf (or 0.19 lbs NO<sub>x</sub> per mmBTU) of natural gas fired,

Note: provided that the heating value of natural gas is 1000 BTU/scf.

Reference: AP-42, Table 1.4-1 for post NSPS sources burning natural gas with uncontrolled emissions.

4. Operation of process C13 (duct burner AKA boiler No.4)

Fuel burned: No.2 Oil

Emission factor 24 lbs per 1000 gallons of No.2 Oil fired (or 0.174 lbs/mmBTU)

Note: provided that the heating value of No.2 Oil is 138,000 BTU/gallon.

Reference: AP-42, Table 1.3-1 for sources burning No.2 Oil with uncontrolled emissions.

5. Operation of process C14 (cogen unit: turbine fires natural gas while the duct burner fires No.2 Oil).

Fuel burned: Natural gas - No.2 Oil

Emissions factor: 0.13 lbs NO<sub>x</sub> per mmBTU of natural gas fired by the turbine (1000 BTU/scf)

24 lbs per 1000

gallons of No.2 Oil fired by the duct burner (or 0.174 lbs/mmBTU)

Note: provided that the heating value of No.2 oil is 138,000 BTU/gallon.

NO<sub>x</sub> generated by operation of process C14 will be the

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sum of NOx generated by the turbine plus  
the NOx generated by the duct burner. The site shall  
monitor fuel usage for each source.

6. Operation of process C15 (cogen unit: turbine fires  
No.2 Oil while the duct burner fires natural gas.  
Fuel burned: Natural gas - No.2 Oil  
Emissions factor: 0.24 lbs NOx per mmBTU of No. 2 Oil  
fired by the turbine

Note: provided that  
the heating value of No.2 oil is 138,000 BTU/gallon.  
190 lbs/mmscf of  
natural gas fired by the duct burner or 0.19 lbs NOx per  
mmBTU,

Note: provided that  
the heating value of natural gas is 1000 BTU/scf.  
NOx generated by operation of process C15 will be the  
sum of NOx generated by the turbine plus  
the NOx generated by the duct burner. The site shall  
monitor fuel usage for each source.

The Facility shall maintain accurate records of fuel  
consumption for each one of the above processes and  
calculate NOx emissions on a monthly basis. In the event  
that the Facility can not record fuel consumption for each  
individual process, the most conservative emissions  
factors will be used to calculate NOx emissions.

The total facility emissions of oxides of nitrogen shall  
not exceed the limit of 276 tons (FACILITY-WIDE) per year.

The required semiannual reports, and annual compliance  
certification, must contain a summary of emission data to  
demonstrate that the facility is in compliance with this  
limit. The facility shall maintain all records for a  
minimum of five years and shall make these records  
available to the Department for inspection during normal  
business hours.

Manufacturer Name/Model Number: N/A  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 276 tons per year  
Reference Test Method: EPA approved method  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).



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**Condition 27: Compliance Certification**  
Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the purpose of ascertaining compliance or noncompliance with any air pollution control code, rule or regulation, the department may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions.

Manufacturer Name/Model Number: SEE PERMIT MONITORING DESCRIPTION

Reference Test Method: SEE PERMIT MONITORING DESCRIPTION

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 28: Separate emission test by the commissioner**  
Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR 202-1.4**

**Item 28.1:**

The commissioner may conduct separate or additional emission tests on the behalf of the State to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 29: Prohibitions**  
Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR 202-1.5**

**Item 29.1:**

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

**Condition 30: Visible Emissions Limited**

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Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR 211.2**

**Item 30.1:**

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 31: Compliance Certification**

Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR 212-1.6 (a)**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 32: Compliance Certification**

Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:6 NYCRR 212-2.4 (a)**

**Item 32.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-00001

Process: 00A

Emission Unit: E-00001

Process: 00B

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Emission Unit: E-00001  
Process: 00D

Emission Unit: E-00001  
Process: 00E

Emission Unit: E-00001  
Process: 00G

Emission Unit: E-00001  
Process: 00H

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

**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions from any process emission source for which an application was received by the department prior to July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.15 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where the determination of the permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5 (a) and (b) of this Part.

Compliance shall be ascertained through emissions calculations when the construction of the stack for stack testing is not feasible. – However, the facility is placed on notice that design of any future installations, upgrades, improvements, replacements or additions of stacks shall incorporate the ability for the Site to perform stack testing” .

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per cubic foot

Reference Test Method: N/A

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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**Condition 33: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 33.1:**

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

Emission Unit: E-00001  
Process: 00F

Emission Unit: E-00001  
Process: 00I

Emission Unit: E-00001  
Process: 00K

Emission Unit: E-00001  
Process: 00L

Emission Unit: E-00001  
Process: 00M

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

**Item 33.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No Facility Owner or operator shall cause or allow emissions of particulate that exceed 0.05 grains per cubic foot of exhaust gas (unless it is indicated otherwise), expressed at standard conditions on a dry basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 8 of subdivisions 212-2.5 (a) and 212-2.5(b).

Permissible emission Rates:

Continuous process material dryers emitting solid particulates and water only shall comply with the permissible particulate emissions limits shown on Table 6 of 6NYCRR Part 212-2.5(d) (formerly part 212.9(d)).

Compliance shall be ascertained through emissions

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calculations when the construction of the stack for stack testing is not feasible. – However, the facility is placed on notice that design of any future installations, upgrades, improvements, replacements or additions of stacks shall incorporate the ability for the Site to perform stack testing” .

Parameter Monitored: PARTICULATES  
 Upper Permit Limit: 0.05 grains per cubic foot  
 Reference Test Method: N/A  
 Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY  
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 34: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 34.1:**  
 The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

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

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 35: EPA Region 2 address.**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 35.1:**

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

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

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

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

**Condition 36: Modification Notification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 36.1:**

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

**Condition 37: Recordkeeping requirements.**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 37.1:**

Affected owners or operators shall maintain records of occurrence and duration of any startup,

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shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 38: Compliance Certification****Effective between the dates of 09/22/2020 and 09/21/2025****Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A****Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

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**Condition 39: Excess emissions report.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 39.1:**

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 40: Monitoring frequency waiver.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 40.1: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.**

**Condition 41: Facility files for subject sources.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 41.1:**

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

**Condition 42: Notification Similar to State or Local Agency**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 42.1:**

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

**Condition 43: Performance testing timeline.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 43.1:**

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance



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testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 44: Performance Test Methods - Waiver**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 44.1:**

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

**Condition 45: Performance testing facilities.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 45.1:**

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

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

**Condition 46: Number of required tests.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 46.1:**

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

**Condition 47: Availability of information.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A**

**Item 47.1:**

The availability to the public of information provided to, or otherwise obtained by, the

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Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 48: Opacity standard compliance testing.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 48.1:**

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

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

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

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

**Condition 49: Circumvention.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 49.1:**

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 50: Monitoring requirements.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 50.1:**

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

**Condition 51: Modifications.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 51.1:**

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

**Condition 52: Reconstruction**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 52.1:**

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

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

**Condition 53: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 53.1:**

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

Emission Unit: E-00002  
Process: C12

Emission Unit: E-00002  
Process: C13

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

**Item 53.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions resulting from the operation of the duct

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burner when it fires either natural gas or No.2 oil, can not exceed the upper limit stated below. This limit, which is a function of the source's rating and the regulatory limit is calculated as follows:

Duct Burner's rating: 164 mmBTU/hr  
 NOx regulatory limit: 0.15 lb/mmBTU as per 6NYCRR 227-2.4(a) tangential or wall firing  
 NOx regulatory limit: 0.20 lbs/mmBTU as 40 CR 60.44(b) (1)  
 (ii) - the duct burner is a High Rate Heat Release unit.

Thus the State limit is more stringent and it is the one that will be enforced on the duct burner when it operates as a boilers by itself.

Short term limit:  $164\text{mmBTU/hr} * 0.15 \text{ lb/mmBTU} = 24.6$  lbs/hr <----Maximum - not to be exceeded.

Compliance with the above stated hourly limit will be ascertained by calculating the quantities of fuel burned by the duct burner when the referenced process is operating, using the AP-42 emission factors (tables 1.3-1 and table 1.4-1, as appropriate) or emission factors established with actual stack tests.

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 24.6 pounds per hour  
 Reference Test Method: Approved EPA method  
 Monitoring Frequency: MONTHLY  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 54: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 54.1:**

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

Emission Unit: E-00002  
 Process: C06

Emission Unit: E-00002  
 Process: C07

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Emission Unit: E-00002  
Process: C08

Emission Unit: E-00002  
Process: C09

Emission Unit: E-00002  
Process: C14

Emission Unit: E-00002  
Process: C15

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

**Item 54.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of 40CFR 60 GG that is using water or steam injection to control NOx emissions shall install, calibrate, maintain and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water or steam to fuel being fired on the turbine. This system shall be accurate to within +/-5% of the limits listed and shall be approved by the administrator.

The steam or water to fuel ratio that is shall be continuously monitored as described above shall be monitored during the performance test required under 40 CFR 60 Subpart A (paragraph 60.8), to establish acceptable values and ranges. The owner or operator may supplement the performance test data with engineering analyses, design specifications, manufacturer's recommendations and other relevant information to define acceptable parametric ranges more precisely.

The owner or operator shall develop and keep on-site a parameter monitoring plan which explains the process used to document proper operation of the NOx emissions controls. The plan shall include the parameter(s) monitored and the acceptable ranges of the parameters as well as the basis for designating the parameters and acceptable ranges. Any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information shall be included in the monitoring

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plan.

Following lengthy trials at the Site, the facility submitted and NYSDEC approved the plan which includes the upper and lower values as shown below. Any changes to the below stated values shall be submitted to NYSDEC for review and approval.

The water to fuel ratio values are submitted to department quarterly. Minimum value has been established to be 0.31 +/-5% as shown by a number of quarterly reports (10/26/2012, 1/29/2013, 10/31/2013).

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: WATER TO FUEL MASS RATIO  
 Lower Permit Limit: 0.31 pounds of water per pound of fuel  
 Upper Permit Limit: 1.0 pounds of water per pound of fuel  
 Reference Test Method: N/A  
 Monitoring Frequency: CONTINUOUS  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: QUARTERLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 10/30/2020.  
 Subsequent reports are due every 3 calendar month(s).

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

**Condition 55: Emission Point Definition By Emission Unit**  
 Effective between the dates of 09/22/2020 and 09/21/2025

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

**Item 55.1:**

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

Emission Unit: E-00001

Emission Point: 00001  
 Height (ft.): 37 Diameter (in.): 23  
 NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 10C

Emission Point: 00003  
 Height (ft.): 48 Diameter (in.): 36  
 NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 10C

Emission Point: 00004  
 Height (ft.): 8 Diameter (in.): 24

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NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 11B
Emission Point: 00007		
Height (ft.): 61	Diameter (in.): 6	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12E
Emission Point: 00008		
Height (ft.): 44	Diameter (in.): 7	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00014		
Height (ft.): 76	Diameter (in.): 29	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 11-C&D
Emission Point: 00015		
Height (ft.): 12	Diameter (in.): 20	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: YARD
Emission Point: 00016		
Height (ft.): 44	Diameter (in.): 7	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00018		
Height (ft.): 12	Diameter (in.): 20	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: YARD
Emission Point: 00019		
Height (ft.): 12	Diameter (in.): 20	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: YARD
Emission Point: 00020		
Height (ft.): 40	Diameter (in.): 27	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 10C
Emission Point: 00021		
Height (ft.): 150	Diameter (in.): 120	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12
Emission Point: 00024		
Height (ft.): 69	Length (in.): 11	Width (in.): 5
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12G
Emission Point: 00025		
Height (ft.): 5	Length (in.): 11	Width (in.): 5
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: ADJ-12G
Emission Point: 00026		
Height (ft.): 102	Length (in.): 11	Width (in.): 5
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 9G
Emission Point: 00027		
Height (ft.): 116	Diameter (in.): 6	

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NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 9H
Emission Point: 00028		
Height (ft.): 100	Diameter (in.): 20	
NYTMN (km.): 4531.342	NYTME (km.): 592.179	Building: 3
Emission Point: 00029		
Height (ft.): 58	Length (in.): 34	Width (in.): 48
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00030		
Height (ft.): 64	Diameter (in.): 8	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00031		
Height (ft.): 64	Diameter (in.): 8	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00032		
Height (ft.): 64	Diameter (in.): 9	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A
Emission Point: 00033		
Height (ft.): 44	Length (in.): 30	Width (in.): 10
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14B
Emission Point: 00034		
Height (ft.): 29	Length (in.): 7	Width (in.): 5
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14B
Emission Point: 00035		
Height (ft.): 41	Diameter (in.): 32	
NYTMN (km.): 4531.342	NYTME (km.): 592.179	Building: 14A
Emission Point: 00036		
Height (ft.): 41	Diameter (in.): 20	
NYTMN (km.): 4531.342	NYTME (km.): 592.179	Building: 14A
Emission Point: 00037		
Height (ft.): 41	Diameter (in.): 16	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12C
Emission Point: 00038		
Height (ft.): 7	Length (in.): 12	Width (in.): 12
NYTMN (km.): 4531.342	NYTME (km.): 592.179	Building: 12C

**Item 55.2:**

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

Emission Unit: E-00002

Emission Point: 00023



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Height (ft.): 78                      Diameter (in.): 46  
 NYTMN (km.): 4531.596    NYTME (km.): 592.219    Building: 5A

Emission Point: 0021C  
 Height (ft.): 150                      Diameter (in.): 120  
 NYTMN (km.): 4531.594    NYTME (km.): 592.253    Building: 4A

Emission Point: 0023A  
 Height (ft.): 73                      Diameter (in.): 46  
 NYTMN (km.): 4531.596    NYTME (km.): 592.211    Building: 5A

**Condition 56: Process Definition By Emission Unit**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 56.1:**

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

Emission Unit: E-00001  
 Process: 00A                              Source Classification Code: 3-02-007-70  
 Process Description:  
     Air cooling and hot air drying of granulated sugar.

Operation of this process started before 1973.

Emission Source/Control: 00001 - Process

Emission Source/Control: 00003 - Process

Emission Source/Control: 00020 - Process

**Item 56.2:**

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

Emission Unit: E-00001  
 Process: 00B                              Source Classification Code: 3-02-015-99  
 Process Description:  
     SUGAR CONVEYING AND STORAGE  
     SYSTEM.  
     OPERATION OF THIS PROCESS STARTED BEFORE  
     1973.

Emission Source/Control: 00004 - Process

Emission Source/Control: 00014 - Process

**Item 56.3:**

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

Emission Unit: E-00001  
 Process: 00D                              Source Classification Code: 3-02-015-99

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Process Description:

VACUUM SYSTEM TO RECOVER GRANULATED  
SUGAR.  
OPERATION OF THIS PROCESS STARTED BEFORE  
1973.

Emission Source/Control: 00021 - Process

**Item 56.4:**

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

Emission Unit: E-00001

Process: 00E

Source Classification Code: 3-02-015-99

Process Description:

NON SUGAR CONVEYING AND STORAGE  
SYSTEM.  
OPERATION OF THIS PROCESS STARTED BEFORE  
1973.

Emission Source/Control: 00024 - Process

Emission Source/Control: 00025 - Process

Emission Source/Control: 00026 - Process

Emission Source/Control: 00027 - Process

**Item 56.5:**

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

Emission Unit: E-00001

Process: 00F

Source Classification Code: 3-02-015-99

Process Description:

SUGAR CONVEYING AND STORAGE SYSTEM AND  
PACKAGING SYSTEM.  
OPERATION OF THIS PROCESS STARTED BEFORE  
1973.

Emission Source/Control: C0007 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00007 - Process

Emission Source/Control: 00008 - Process

Emission Source/Control: 00016 - Process

**Item 56.6:**

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

Emission Unit: E-00001

Process: 00G

Source Classification Code: 3-02-015-99

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Process Description:

BULK TRAILOR MANHOLE EXHAUST AT GRANULATED  
SUGAR LOADING SPOT.  
OPERATION OF THIS PROCESS STARTED BEFORE  
1973.

Emission Source/Control: 00015 - Process

Emission Source/Control: 00018 - Process

Emission Source/Control: 00019 - Process

**Item 56.7:**

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

Emission Unit: E-00001

Process: 00H

Source Classification Code: 3-02-015-25

Process Description:

Regeneration of carbon with the aid of a multi-hearth  
furnace with scrubber. The furnace is rated at 9.5 BTU/hr  
firing natural gas. Operation of this process started  
before 1973.

Emission Source/Control: C0028 - Control

Control Type: WET SCRUBBER

Emission Source/Control: S0028 - Process

**Item 56.8:**

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

Emission Unit: E-00001

Process: 00I

Source Classification Code: 3-02-015-99

Process Description:

This process includes the new powder sugar mill, a 9,000  
lb starch storage bin and a 60,000 lb sugar storage bin.  
This process is regulated under 6NYCRR Part 212.4(c) with  
permissible limit 0.05 grains/dscf. This process started  
operating after 1973.

Emission Source/Control: C0029 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0030 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0031 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0032 - Control

Control Type: FABRIC FILTER

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Emission Source/Control: S0029 - Process

Emission Source/Control: S0030 - Process

Emission Source/Control: S0031 - Process

Emission Source/Control: S0032 - Process

**Item 56.9:**

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

Emission Unit: E-00001

Process: 00K

Source Classification Code: 3-02-015-99

Process Description:

This process pertains to a new tote packaging line including a pressure blower package. Bulk bag supply bin is controlled through AVR vent filter (DC-6) EP33. Nuisance dust generated during the tote filling is controlled with AVS vent filter (DC-7) EP #34. This process started operating after 1973.

Emission Source/Control: 0033B - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0034B - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0033A - Process

**Item 56.10:**

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

Emission Unit: E-00001

Process: 00L

Source Classification Code: 3-02-015-99

Process Description:

Powder sugar conveying and storage system and packaging system.  
This process started operating after 1973.

Emission Source/Control: 00035 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00036 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00037 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0035A - Process

Emission Source/Control: 0036A - Process

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Emission Source/Control: 0037A - Process

**Item 56.11:**

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

Emission Unit: E-00001  
 Process: 00M Source Classification Code: 3-02-015-99  
 Process Description:  
 The in-ground melter is used to return out of spec granulated and powdered sugar back to the process. The venturi meter will control the dust dumping of this sugar into the melter.

Emission Source/Control: C0038 - Process  
 Design Capacity: 83 pounds per hour

Emission Source/Control: S0038 - Process

**Item 56.12:**

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

Emission Unit: E-00002  
 Process: C01 Source Classification Code: 1-01-006-01  
 Process Description: BOILER #3 USING NATURAL GAS.

Emission Source/Control: 0021C - Combustion  
 Design Capacity: 165.5 million Btu per hour

**Item 56.13:**

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

Emission Unit: E-00002  
 Process: C02 Source Classification Code: 1-01-005-01  
 Process Description: BOILER #3 USING NO. 2 OIL.

Emission Source/Control: 0021C - Combustion  
 Design Capacity: 165.5 million Btu per hour

**Item 56.14:**

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

Emission Unit: E-00002  
 Process: C06 Source Classification Code: 2-02-002-03  
 Process Description:  
 GAS TURBINE + DUCT BURNER (COGENERATION SYSTEM) BURNING NATURAL GAS.  
 The Duct Burner is also called boiler #4. When both sources operate together, they can generate up to 167 mmBTU/hr, out of which 58 mmBTU/hr is attributed to the turbine and the remaining (109 mmBTU/hr) to the duct burner. It is worth noting that the duct burner's rating is 164 mmBTU/hr when it operates by itself.

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This mode of operation exhausts thru emission point 00023.

Emission Source/Control: 00023 - Combustion  
 Design Capacity: 164 million Btu per hour

Emission Source/Control: 0023A - Combustion  
 Design Capacity: 58 million Btu per hour

**Item 56.15:**

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

Emission Unit: E-00002

Process: C07

Source Classification Code: 2-02-001-03

Process Description:

GAS TURBINE + DUCT BURNER (COGENERATION SYSTEM) BURNING NO. 2 OIL.

The Duct Burner is also called boiler #4. The two sources operating together can generate up to 167 mmBTU/hr, out of which 58 mmBTU/hr is attributed to the turbine and the remaining (109 mmBTU/hr) to the duct burner. It is worth noting that the duct burner's rating is 164 mmBTU/hr when it operates by itself. This mode of operation exhausts thru emission point 00023.

Emission Source/Control: 00023 - Combustion  
 Design Capacity: 164 million Btu per hour

Emission Source/Control: 0023A - Combustion  
 Design Capacity: 58 million Btu per hour

**Item 56.16:**

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

Emission Unit: E-00002

Process: C08

Source Classification Code: 2-01-002-01

Process Description:

This process describes the operation of the existing gas turbine (alone - not as part of the cogen system) while burning natural gas. Turbine alone is rated at 58 mmbtu/hr. This mode of operation exhausts thru emission point 0023A or 0023. The associated duct burner may be off or it may be operating independently of the Turbine as allowed by the second renewal of the Title V permit. The operation of the turbine is regulated by 40 CFR 60 GG among other regulations.

Emission Source/Control: 0023A - Combustion  
 Design Capacity: 58 million Btu per hour

**Item 56.17:**

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

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Facility DEC ID: 3551800214

Emission Unit: E-00002

Process: C09

Source Classification Code: 2-02-001-03

Process Description:

This process describes the operation of the existing gas turbine (alone - not as part of the cogen system) while burning Number 2 Oil. Turbine alone is rated at 58 mmbtu/hr. This mode of operation exhausts through emission point 0023A or 0023. The associated duct burner may be off or it may be operating independently of the Turbine as allowed by the second renewal of the Title V permit.

Emission Source/Control: 0023A - Combustion

Design Capacity: 58 million Btu per hour

**Item 56.18:**

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

Emission Unit: E-00002

Process: C12

Source Classification Code: 1-02-006-04

Process Description:

This process describes the operation of the duct burner (also called boiler #4) operating alone (not as part of the cogeneration system) while firing natural gas. The duct burner when operated alone can generate up to 164 mmBTU/hr. The turbine which is associated with this duct burner may be off or it may be operating independently of the duct burner a practice that is allowed by the second renewal of the Title V permit. The duct burner will be exhausting thru EP 23 while the turbine (if operated) will exhaust thru EP 23A. This mode of operation of the duct burner is regulated by 40 CFR 60 Db among other regulations.

Emission Source/Control: 00023 - Combustion

Design Capacity: 164 million Btu per hour

**Item 56.19:**

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

Emission Unit: E-00002

Process: C13

Source Classification Code: 1-02-005-05

Process Description:

This process describes the operation of the duct burner (also called boiler #4) operating alone (not as part of the cogeneration system) while firing No.2 Oil. The duct burner when operated alone can generate up to 164

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mmBTU/hr. The turbine which is associated with this duct burner may be off or it may be operating independently of the duct burner, a practice that is allowed by the second renewal of the Title V permit. The duct burner will be exhausting thru EP 23 while the turbine (if operated) will exhaust thru EP 23A. This mode of operation of the duct burner is regulated by 40 CFR 60 Db among other regulations.

Emission Source/Control: 00023 - Combustion  
 Design Capacity: 164 million Btu per hour

**Item 56.20:**

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

Emission Unit: E-00002

Process: C14

Source Classification Code: 1-02-005-05

## Process Description:

This process describes the operation of the cogeneration unit when the turbine operates burning natural gas while the duct burner operates firing No.2 Oil. This is a cogen mode of operation.

This operational mode can achieve a heat rating of 167 mmBTU/hr, out of which 58 mmBTU/hr is attributed to the turbine and 109 mmBTU/hr is attributed to the duct burner.

Please note that the duct burner's rating is 164 mmBTU/hr when the duct burner operates by itself.

This mode of operation is permitted to exhaust thru emission point 00023 only.

Emission Source/Control: 00023 - Combustion  
 Design Capacity: 164 million Btu per hour

Emission Source/Control: 0023A - Combustion  
 Design Capacity: 58 million Btu per hour

**Item 56.21:**

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

Emission Unit: E-00002

Process: C15

Source Classification Code: 1-02-006-04

## Process Description:

This process describes the operation of the cogeneration unit when the turbine operates burning No.2 oil while the duct burner operates firing natural gas. This is a cogen mode of operation.

This operational mode can achieve a heat rating of 167 mmBTU/hr, out of which 58 mmBTU/hr is attributed to the



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turbine and 109 mmBTU/hr is attributed to the duct burner.

Please note that the duct burner's rating is 164 mmBTU/hr when the duct burner operates by itself. This mode of operation exhausts thru emission point 00023.

Emission Source/Control: 00023 - Combustion  
 Design Capacity: 164 million Btu per hour

Emission Source/Control: 0023A - Combustion  
 Design Capacity: 58 million Btu per hour

**Condition 57: Emission Unit Permissible Emissions**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 57.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: E-00002

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 62.67 pounds per hour

549,000 pounds per year

**Condition 58: Capping Monitoring Condition**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 58.1:**

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

6 NYCRR Subpart 231-2

40 CFR 52.21

**Item 58.2:**

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

**Item 58.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a

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period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 58.4:**

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

**Item 58.5:**

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

**Item 58.6:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Regulated Contaminant(s):

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

**Item 58.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The permittee shall calculate Nitrogen Oxide Emissions (in tons/year) using the quantity of fuel burned and appropriate emission factors. The Facility shall maintain records of fuel consumption for each process as required by this permit.

NOx emissions of Emission Unit E0002 shall not exceed the limit of 274.5 tons per year. The required semi-annual reports and annual compliance certification must contain a summary of emissions data to demonstrate that the facility is in compliance with its annual limit.

Emissions shall be calculated with the use of AP-42 published emission factors or with the use of emission factors derived from actual stack tests. NOx emissions for emission unit E0002 shall be calculated using the following formula:

$$\text{NOx (lbs/year)} = \text{B3(NG)} * \text{EF(B3NG)} * 1,000 \text{ btu/scf} + \text{B3OIL} * \text{EF (B3OIL)} * 138,000 \text{ btu/gall} +$$

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$$\begin{aligned}
 & +P6(NG) * EF(P6NG) * 1,000 \\
 \text{btu/scf} + & P7(OIL) * EF(P7OIL) * 138,000 \text{ btu/gal} + \\
 & +P8(NG) * EF(P8NG) * 1,000 \\
 \text{btu/scf} + & P9(OIL) * EF(P9OIL) * 138,000 \text{ btu/gal} + \\
 & +P12(NG) * EF(P12NG) * 1,000 \\
 \text{btu/scf} + & P13(OIL) * EF(P13OIL) * 138,000 \text{ btu/gal} + \\
 & +P14(NGT) * EF(P14NGT) * \\
 & 1,000 \text{ btu/scf} + P14(OILDB) * EF(P14OILDB) * 138,000 \\
 & \text{btu/gal} + \\
 & +P15(NGDB) * EF(P15NGDB) * \\
 & 1,000 \text{ btu/scf} + P15(OILT) * EF(P15OILT) * 138,000 \\
 & \text{btu/gal}
 \end{aligned}$$

Where:

B3(NG): Annual quantity of natural gas fired in Boiler #3,

B3(OIL): Annual quantity of No.2 oil fired in Boiler #3,

P6(NG): Annual quantity of natural gas fired during Process C06 (Turbine & Duct Burner as a COGEN system),

P7(OIL): Annual quantity of No.2 oil fired during Process C07 (Turbine & Duct Burner as a COGEN system),

P8(NG): Annual quantity of natural gas fired during Process C08 (Turbine alone),

P9(OIL): Annual quantity of No.2 oil fired during Process C09 (Turbine alone),

P12(NG): Annual quantity of natural gas fired during Process C12 (Duct Burner alone),

P13(OIL): Annual quantity of No.2 oil fired during Process C13 (Duct Burner alone),

P14(NGT): Annual quantity of natural gas fired by the turbine, during process C14 - (COGEN system)

P14(OILDB): Annual quantity of No.2 oil fired by the Duct Burner, during process C14 (COGEN system)

P15(NGDB): Annual quantity of natural gas fired by the Duct Burner, during process C15 -(COGEN system)

P15(OILT): Annual quantity of No.2 oil fired by the Turbine, during process C15 - (COGEN system).

Further Description of Processes:

C06: Gas Turbine burns Natural Gas + Duct Burner burns natural gas - they operate in COGEN mode.

C07: Gas Turbine burns No.2 Oil + Duct Burner burns No.2 Oil - they operate in COGEN mode.

C08: Gas Turbine burns Natural Gas, Duct Burner is OFF or operates independently.

C09: Gas Turbine burns No.2 Oil, Duct Burner is OFF or operates independently.

C12: Gas Turbine is OFF or operates independently, Duct Burner burns Natural Gas.

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C13: Gas Turbine is OFF or operates independently, Duct Burner burns No.2 Oil.

C14: Gas Turbine burns Natural Gas + Duct Burner burns No.2 Oil - they operate in COGEN mode

C15: Gas Turbine burns No.2 Oil + Duct Burner burns Natural Gas - they operate in COGEN mode

Emission Factors from AP-42

EF(B3NG): 280 lb/mmscf (Table 1.4-1, uncontrolled boilers, pre-NSPS),

EF(B3OIL): 24 lb/1000gallons (Table 1.3-1),

EF(P6NG): 1.3E-01 lb/mmbtu (water-steam injection) (Table 3.1-1),

EF(P7OIL): 2.4E-01 lb/mmbtu (water-steam injection) (Table 3.1-1),

EF(P8NG) : 1.3E-01 lb/mmbtu (water-steam injection) (Table 3.1-1),

EF(P9OIL): 2.4E-01 lb/mmbtu (water-steam injection) (Table 3.1-1),

EF(P12NG): 190 lb/mmscf (uncontrolled post-NSPS) (Table 1.4-1),

EF(P13OIL): 24 lb/1000 gallons (uncontrolled) (Table 1.4-1)

EF(P14NGT): 1.3E-01 lb/mmbtu (water-steam injection) (Table 3.1-1),

EF(P14OILDB): 24 lb/1000 gallons (uncontrolled) (Table 1.4-1),

EF(P15NGDB): 190 lb/mmscf (uncontrolled post-NSPS) (Table 1.4-1),

EF(P15OILT): 2.4E-01 lb/mmbtu (water-steam injection) (Table 3.1-1)

Heating values:

Natural gas =1000 btu/scf

No.2 oil= 138,000 btu/gallon

NOx calculations shall be included in the compliance certifications. The facility shall maintain all records for a minimum of five years and shall make these records available to the Department for inspection during normal business hours.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 274.5 tons per year

Reference Test Method: AP-42 Emission Factors or Actual Stack Test Result

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

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**Condition 59: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C01

Regulated Contaminant(s):

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

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil firing large boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 60: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C02

Regulated Contaminant(s):

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

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil firing large boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C06

Regulated Contaminant(s):

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

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas firing in combined cycle combustion turbines.

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60,

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Facility DEC ID: 3551800214

Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NO<sub>x</sub> limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 62: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C06

Regulated Contaminant(s):

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

**Item 62.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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Facility DEC ID: 3551800214

NOx emissions from the operation of the co-generation unit when firing natural gas cannot exceed the limit stated below. This limit is a function of the source's rating and regulatory limit is calculated according to the Method 19 as follows:

Co-gen rating: 167 mmbtu/hr (58 mmbtu/hr for the turbine and 109 mmbtu/hr for the duct burner)

NOx regulatory limitation: 42 ppmvd at 15% oxygen

Required conversion factor:  $1 \text{ ppm of NO}_x = 1.194 \times 10^{(-7)}$

Equation:  $E = C_d \times F_d \times [20.9^*/(20.9-15)]$ , where: E = emissions in lbs/mmBtu.

$C_d$  = NOx concentration (mass) in lbs/scf

$F_d$  = fuel factor (scf/mmBtu)

Then:

$C_d = 42 \text{ ppmvd at 15\% oxygen}$

$F_d = 8710 \text{ scf/mmBtu for natural gas}$

Therefore:

$$E = 42 \times 1.194 \times 10^{(-7)} \text{ lb/scf} \times 8710 \text{ scf/mmBtu} \times [20.9^*/(20.9-15)]$$

$$= 0.1547 \text{ lb/mmBtu}$$

Short term limit is then:

$$167 \text{ mmBtu/hr} \times 0.1547 \text{ lb/mmBtu} = 25.84 \text{ lb/hr}$$

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.



Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 25.84 pounds per hour  
 Reference Test Method: EPA APPROVED METHOD  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.332, NSPS Subpart GG**

**Item 63.1:**  
 The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C06

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

**Item 63.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
 Monitoring Description:

Monitoring of fuel nitrogen will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

The monitoring of fuel nitrogen shall not be required while natural gas is the only fuel fired in the gas turbine. Records of sample analysis and fuel supply pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years and be available for inspection by personnel of Federal, State and other Local air pollution control agencies.

Reference Test Method: EPA Approved Waver  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 64: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG**

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C06

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 64.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight.

The owner shall maintain records which shall indicate that the facility is in compliance with this limitation.

Specifically for this Site, monitoring of fuel sulfur shall be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Should any fuel sulfur monitoring indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being re-examined by EPA.

C. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

Manufacturer Name/Model Number: N/A

Parameter Monitored: SULFUR CONTENT

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Upper Permit Limit: 0.8 percent by weight  
 Reference Test Method: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C07

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

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to No.2 Oil firing in combined cycle combustion turbines.

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 66: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C07

Regulated Contaminant(s):

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

**Item 66.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions resulting from the operation of the turbine when it is firing only fuel oil, cannot exceed the upper limit amount stated below. This limit, which is a function of the source's rating and the regulatory limit, was calculated according to Method 19 as follows:

Co-gen Rating: 167 mmBtu/hr (58 mmbtu/hr for the turbine and 109 mmbtu/hr for the duct burner)

For the Turbine:

NOx regulatory limitation: 65 ppmvd at 15% oxygen

Conversion factor: 1 ppm of NOx = 1.194 x 10<sup>(-7)</sup> lb/scf

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Facility DEC ID: 3551800214

$$(x) 9190 \text{ scf/mmBtu} (x) [20.9/(20.9 - 15)]$$

$$= 0.2527 \text{ lb/mmBtu}$$

$$\text{Equation used: } E = Cd (x) Fd (x) [20.9/(20.9 - 15)],$$

where: E = Emissions in lbs/mmBtu

Cd = NO<sub>x</sub> concentration

(mass) in lb/scf

Fd = fuel factor

(scf/mmBtu)

Then: Cd = 65 ppmvd at 15% oxygen

Fd = 9190 scf/mmBtu for No. 2 oil

$$E = 65 (x) 1.194 \times 10^{(-7)} \text{ lb/scf} (x) 9190 \text{ scf/mmBtu} (x) [20.9/(20.9 - 15)]$$

$$= 0.2527 \text{ lb/mmBtu}$$

Short term limit attributed to the turbine: 58 mmBtu/hr

$$(x) 0.2527 \text{ lb/mmBtu} = 14.6 \text{ lbs/hr.}$$

For the Duct Burner regulation 40 CFR Db (44b) set the NO<sub>x</sub> emission limit to 0.2 lbs/mmbtu.

Short term limit attributed to the duct burner:

$$0.2\text{lbs/mmbtu} \times 109 \text{ mmbtu/hr} = 21.8 \text{ lbs/hr}$$

However, Part 6NYCRR part 227-2.4(b)(ii) sets the NO<sub>x</sub> emission limit to 0.15 lbs/mmBTU.

Thus, the Short term limit attributed to the duct burner:

$$0.15\text{lbs/mmbtu} \times 109 \text{ mmbtu/hr} = 16.35 \text{ lbs/hr}$$

Short term limit for both sources:  $14.6 + 16.35 = 30.95$  lbs/hr

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 30.95 pounds per hour  
 Reference Test Method: 40 CFR 60 APPENDIX A, METHOD 7, 7E, 19 or 20  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C08

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

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas firing in simple cycle combustion turbines.

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 68: Compliance Certification****Effective between the dates of 09/22/2020 and 09/21/2025****Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (2)****Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C08

Regulated Contaminant(s):

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

**Item 68.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NO<sub>x</sub> emissions from the operation of the turbine unit when firing natural gas cannot exceed the limit stated below.

This limit is a function of the source's rating and regulatory limit is calculated according to the Method 19 as follows:

Turbine rating: 58 mmBtu/hr

NO<sub>x</sub> regulatory limitation: 42 ppmvd at 15% oxygen

Required conversion factor: 1 ppm of NO<sub>x</sub> = 1.194 x 10<sup>-7</sup>

Equation:  $E = Cd \times Fd \times [20.9 / (20.9 - 15)]$ , where: E =

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

emissions in lbs/mmBtu.

$C_d$  = NOx concentration (mass) in lbs/scf

$F_d$  = fuel factor (scf/mmBtu)

Then:

$C_d$  = 42 ppmvd at 15% oxygen

$F_d$  = 8710 scf/mmBtu for natural gas

Therefore:

$$E = 42 \times 1.194 \times 10^{-7} \text{ lb/scf} \times 8710 \text{ scf/mmBtu} \times [20.9 / (20.9 - 15)] = 0.1547 \text{ lb/mmBtu}$$

Short term limit is then:

$$58 \text{ mmBtu/hr} \times 0.1547 \text{ lb/mmBtu} = 8.97 \text{ lb/hr}$$

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 8.97 pounds per hour  
 Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 20  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).



Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Condition 69: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.332, NSPS Subpart GG**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C08

Regulated Contaminant(s):

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

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring of fuel nitrogen will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

The monitoring of fuel nitrogen shall not be required while natural gas is the only fuel fired in the gas turbine. Records of sample analysis and fuel supply pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years and be available for inspection by personnel of Federal, State and other Local air pollution control agencies.

Manufacturer Name/Model Number: N/A

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 70: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C08

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Item 70.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. The owner shall maintain records which shall indicate that the facility is in compliance with this limitation.

Specifically, monitoring of fuel sulfur will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Should any fuel sulfur monitoring indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being re-examined by EPA.

C. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

Manufacturer Name/Model Number: N/A

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Reference Test Method: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Condition 71: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C09

Regulated Contaminant(s):

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

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to No.2 Oil firing in simple cycle combustion turbines.

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NO<sub>x</sub> limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 20  
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C09

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

**Item 72.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions resulting from the operation of the turbine when it is firing only fuel oil, cannot exceed the upper limit amount stated below. This limit, which is a function of the source's rating and the regulatory limit, was calculated according to Method 19 as follows:

Turbine Rating: 58 mmBtu/hr  
 NOx regulatory limitation: 65 ppmvd at 15% oxygen  
 Conversion factor: 1 ppm of NOx = 1.194 x 10<sup>(-7)</sup> lb/scf  
 (x) 9190 scf/mmBtu (x) [20.9 / (20.9 - 15)]

= 0.2527 lb/mmBtu  
 Equation used: E = Cd (x) Fd (x) [20.9/ (20.9 - 15)],  
 where: E = Emissions in lbs/mmBtu

Cd = NOx concentration  
 (mass) in lb/scf

Fd = fuel factor  
 (scf/mmBtu)

Then: Cd = 65 ppmvd at 15% oxygen

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

$$Fd = 9190 \text{ scf/mmBtu for No. 2 oil}$$

$$E = 65 (x) 1.194 \times 10^{-7} \text{ lb/scf} (x) 9190 \text{ scf/mmBtu} (x) [20.9/(20.9 - 15)]$$

$$= 0.2527 \text{ lb/mmBtu}$$

Short term limit:  $58 \text{ mmBtu/hr} (x) 0.2527 \text{ lb/mmBtu} = 14.7 \text{ lb/hr}$ .

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 14.7 pounds per hour

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 73: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)**

**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C12

Regulated Contaminant(s):

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

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil firing large boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 74: Compliance Certification**

**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C13

Regulated Contaminant(s):

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

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil firing large boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 75: Demonstration criteria for low sulfur oil.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement:40CFR 60.42b(j), NSPS Subpart Db**

**Item 75.1:**

This Condition applies to Emission Unit: E-00002  
Process: C13

**Item 75.2:**

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO<sub>2</sub> emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

**Condition 76: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
Process: C14

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

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to combined cycle cogeneration in which the gas turbine burns natural gas while the duct burner burns No.2 oil.

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NO<sub>x</sub> limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 77: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C14

Regulated Contaminant(s):

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

**Item 77.2:**



Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions from the operation of the system when the turbine is firing natural gas while the duct burner is firing No.2 Oil cannot exceed the limit stated below. This limit is a function of the source's rating and regulatory limit is calculated according to the Method 19 as follows:

Co-gen rating: 167 mmBtu/hr (58 mmbtu/hr for the turbine and 109 mmbtu/hr for the duct burner)

For the turbine limit is set by NYCRR 227-2.4 (e) (2)

(i)

NOx regulatory limitation: 42 ppmvd at 15% oxygen

Required conversion factor:  $1 \text{ ppm of NOx} = 1.194 \times 10^{-7}$

Equation:  $E = Cd \times Fd \times [20.9^*/(20.9-15)]$ , where: E = emissions in lbs/mmBtu.

$Cd = \text{NOx concentration (mass) in lbs/scf}$

$Fd = \text{fuel factor (scf/mmBtu)}$

Then:

$Cd = 42 \text{ ppmvd at 15\% oxygen}$

$Fd = 8710 \text{ scf/mmBtu for Natural gas.}$

Therefore:

Turbine:  $E = 42 \times 1.194 \times 10^{-7} \text{ lb/scf} \times 8710 \text{ scf/mmBtu} \times [20.9^*/(20.9-15)]$   
 $= 0.155 \text{ lb/mmBtu}$

Short term limit attributed to the turbine is:  $58 \text{ mmBtu/hr} \times 0.155 \text{ lb/mmBtu} = 8.99 \text{ lb/hr}$

For the Duct burner:

Use the more stringent limit of 65 ppm (NYCRR 227-2.4 (e) (2) (i))

$Fd = 9190 \text{ scf/mmBtu for No 2 oil.}$

$E = 65 \times 1.194 \times 10^{-7} \text{ lb/scf} \times 9190 \text{ scf/mmBtu} \times [20.9^*/(20.9-15)]$   
 $= 0.253 \text{ lb/mmBtu}$

Short term limit attributed to the duct burner is:  $109 \text{ mmbtu/hr} \times 0.253 \text{ mmbtu/hr} = 27.5 \text{ lb/hr}$

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Short term limits for both sources:  $8.99 + 27.5 = 36.49$   
lb/hr.

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 36.49 pounds per hour

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 78: Demonstration criteria for low sulfur oil.**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 40CFR 60.42b(j), NSPS Subpart Db**

**Item 78.1:**

This Condition applies to Emission Unit: E-00002  
Process: C14

**Item 78.2:**

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO<sub>2</sub> emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

**Condition 79: Compliance Certification**  
Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:40CFR 60.332, NSPS Subpart GG**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C14

Regulated Contaminant(s):

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

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring of fuel nitrogen will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

The monitoring of fuel nitrogen shall not be required while natural gas is the only fuel fired in the gas turbine. Records of sample analysis and fuel supply pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years and be available for inspection by personnel of Federal, State and other Local air pollution control agencies.

Manufacturer Name/Model Number: N/A

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Compliance Certification**  
Effective between the dates of 09/22/2020 and 09/21/2025

**Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C14

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 80.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. The owner shall maintain records which shall indicate that the facility is in compliance with this limitation.

Specifically for this Site, monitoring of fuel sulfur will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Should any fuel sulfur monitoring indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being re-examined by EPA.

C. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

Manufacturer Name/Model Number: N/A

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.8 percent by weight

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 81: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C15

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

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to combined cycle co-generation in which the gas turbine burns No.2 Oil while the duct burner burns Natural gas.

The Owner or operator shall

(1) submit a testing protocol to the Department for approval 90 days prior to any stack testing. The condition of testing as well as the locations of sampling devices must be acceptable to the Department.

(2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and must, in addition, follow the procedures set forth in part 202 of this title.

(3) submit compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

The owner or operator will maintain records on-site for a minimum of five years.

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 82: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Process: C15

Regulated Contaminant(s):

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

**Item 82.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions from the operation of the system when the turbine is firing oil while the duct burner is firing natural gas cannot exceed the limit stated below. This limit is a function of the source's rating and regulatory limit is calculated according to the Method 19 as follows:

Co-gen rating: 167 mmBtu/hr (58 mmbtu/hr for the turbine and 109 mmbtu/hr for the duct burner)

For the turbine limit is set by NYCRR 227-2.4 (e) (2)

(ii)

NOx regulatory limitation: 65 ppmvd at 15% oxygen

Required conversion factor: 1 ppm of NO<sub>x</sub> = 1.194 x 10<sup>-7</sup>

Equation: E = Cd x Fd x [20.9\*/(20.9-15)], where: E = emissions in lbs/mmBtu.

Cd = NOx concentration (mass) in lbs/scf

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Fd = fuel factor (scf/mmBtu)

Then:

Cd = 65 ppmvd at 15% oxygen

Fd = 9190 scf/mmBtu for No.2 Oil.

Therefore:

$$E = 65 \times 1.194 \times 10^{-7} \text{ lb/scf} (x) 9190 \text{ scf/mmBtu} (x) [20.9\% / (20.9 - 15)] = 0.2527 \text{ lb/mmBtu}$$

Short term limit attributed to the turbine is: 58 mmBtu/hr (x) 0.2527 lb/mmBtu = 14.6 lb/hr

For the Duct burner:

Limit is set by the 46NYCRR 227-2.4 (b) to 0.15 lbs/mmbtu, when the duct burner's maximum rating is 109 mmbtu/hr. Thus Short term limit attributed to the duct burner = 0.15 lbs/mmbtu \* 109 mmbtu/hr = 16.35 lb/hr.

Short term limits for both sources: 14.6 + 16.35 = 30.95 lb/hr.

Compliance with the above stated limit will be ascertained by calculating the quantities of fuel burned by each source of the system when the referenced process is operating, using emission factors established during stack testing. Monitoring shall be taking place semi-annually and calculations shall be included in the annual and semi-annual certification reports.

From the effective date of this permit, Stack testing will be taking place once within five years. However, if this permit gets extended beyond its expiration date, stack testing shall be performed once every subsequent five year period.

Fuel records shall be maintained at the site for five years and become available upon request.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 30.95 pounds per hour

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 83: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.6 (c)**

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002  
 Process: C15

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

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a source required to conduct an emission test for combined cycle combustion turbines when firing fuel oil shall submit the following:

- 1) a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- 2) utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title.
- (3) submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Manufacturer Name/Model Number: N/A

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19 or 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Permit ID: 3-5518-00214/00019

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**Condition 84: Compliance Certification**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable Federal Requirement: 6 NYCRR 227-2.6 (c)**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00002                      Emission Point: 0021C

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

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a larger boiler; which has a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, is required to conduct an emission test under subdivision (a) of section 227-2.6 must:

- (1) submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title: for large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
- (3) submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Manufacturer Name/Model Number: N/A  
 Upper Permit Limit: 0.15 pounds per million Btus  
 Reference Test Method: 40 CFR 60 APPENDIX A - METHOD 7, 7E, 19  
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

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

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

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

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

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

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

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

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and

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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 85: Contaminant List**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 85.1:**

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

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0  
Name: PARTICULATES

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

**Condition 86: Malfunctions and start-up/shutdown activities**

**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 86.1:**

(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.

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

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

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

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

**Condition 87: CLCPA Applicability**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

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

**Item 87.1:**

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 88: Air pollution prohibited**  
**Effective between the dates of 09/22/2020 and 09/21/2025**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 88.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such

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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.

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Facility DEC ID: 3551800214