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
Mod 0 Effective Date: 09/22/2020 Expiration Date: 09/21/2025

Mod 1 Effective Date: Expiration Date:

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 project is a minor modification and it involves the installation of boiler No.7 whose purpose is to provide redundancy to the Site.
The boiler will operate under emission unit 0002 and its emission will stay under the existing nitrogen oxide's emissions limit of the unit.

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: ___ / ___ / _____

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.

PAGE LOCATION OF CONDITIONS

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.

Item3.2:
The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

****** Facility Level ******

Condition 1-1: Submission of application for permit modification or renewal REGION 3
SUBOFFICE - White Plains
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 1-1.1:
NYSDEC Regional Permit Administrator
Region 3 - Suboffice
Division of Environmental Permits
100 Hillside Ave., Suite 1W
White Plains, NY 10603
(914) 428-2505

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

Permit ID: 3-5518-00214/00019 **Facility DEC ID: 3551800214**

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:AMERICAN SUGAR REFINING INC
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: Permit Expiration Date:

PAGE LOCATION OF CONDITIONS

PAGE

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS

Renewal 2/Mod 1/DRAFT ****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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

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

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

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

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

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

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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

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

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

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

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

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

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

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

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

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

Item K: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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 Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 1):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-00002
Emission Unit Description:
Renewal 2 Mod 1.
Addition of one boiler (boiler number 7) and its associated processes as shown below:
C16 - boiler burns natural gas
C17 - boiler burns ultra low sulfur diesel.

The boiler is equipped with Low NOx burner with flue gas

recirculation.
Venting is facilitated through Emission Point
00040.

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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 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): YARD

Item 21.2(From Mod 0):
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 small packaging are collected by fabric filter (EP 00036).

Particulate emissions generated during the filing 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

Condition 22: Compliance Certification
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:

Expired by Mod 1

Item 22.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 22.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall maintain records of the all maintenance work performed on equipment, as required under Section 200.7 and will submit such records to the Department upon request.

Section 200.7 states: "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."

Manufacturer Name/Model Number: N/A
Reference Test Method: EPA Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-1: Operational Flexibility
Effective for entire length of Permit

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

Item 1-1.1:

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

Condition 25: Facility Permissible Emissions
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 (From Mod 1) PTE: 552,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-2: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-2.1:
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 1-2.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-2.3:
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 1-2.4:
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 1-2.5:
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 1-2.6:
The Compliance Certification activity will be performed for the Facility.

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

Item 1-2.7:
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 NOx emissions from all emission sources: the turbine, the duct burner and cogeneration system (turbine and duct burner operating together), or the turbine and duct burner (boiler #4) operating independently, Boiler #3, Boiler #7, as well as the exempt combustion sources. The facility will monitor monthly fuel consumption records per process (as identified herein) and 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 NOx 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 NOx 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 NOx 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 NOx 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.
NOx generated by operation of process C14 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.

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.

7. Operation of process C01- Boiler No.3 fires natural

gas.
Fuel burned: Natural gas
Emissions factor: 190 lbs NOx per million SCF of natural gas, or 0.19 lbs NOx per mmBTU.
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.

8. Operation of process C02 - Boiler No.3 fires No.2 Ultra Low Sulfur Diesel - (ULSD).
Fuel burned: ULSD
Emissions factor: 24 lbs NOx per 1000 gallons, or 0.174 lbs/mmBTU.
Note: provided that the heating value of ULSD is 138,000 BTU/gallon.
Reference: AP-42, Table 1.3-1 for post NSPS sources burning ULSD with uncontrolled emissions.

9. Operation of process C16 -Boiler No.7 fires natural gas.
Fuel burned: Natural gas
Emissions factor: 100 lbs NOx per million SCF of natural gas or 0.10 lbs NOx per mmBTU.
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 Low NOx burners and Flue Gas recirculation - to control emissions.

10. Operation of process C17 -Boiler No.7 fires No.2 Ultra Low Sulfur Diesel (ULSD).
Fuel burned: ULSD
Emissions factor: 10 lbs NOx per 1000 gallons, or 0.072 lbs per mmBTU.
Note: provided that the heating value of ULSD is 138,000 BTU/gallon.
Reference: AP-42, Table 1.3-1 for post NSPS sources burning ULSD with Low NOx burners and Flue Gas recirculation - to control emissions.

For all exempt source the Facility shall use appropriate AP-42 emission factors to calculate emission.

The Facility shall maintain accurate records of fuel consumption for each one of the above processes and calculate NOx emissions on a monthly basis. If the

Facility cannot 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.
Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Compliance Certification
Effective for entire length of Permit

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

Item 1-3.1:
The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

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

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ULTRA LOW SULFUR DIESEL FUEL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:

Expired by Mod 1

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)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-4: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 1-4.1:
Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJJ.

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

Condition 55: Emission Point Definition By Emission Unit
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 55.1(From Mod 1):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-00002

Emission Point: 00040
Height (ft.): 58 Diameter (in.): 36
NYTMN (km.): 4531.595 NYTME (km.): 592.225 Building: YARD

Item 55.2(From Mod 0):
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
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
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 55.3(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-00002

Emission Point: 00023
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 Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 56.1(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002
Process: C16 Source Classification Code: 1-02-006-01
Process Description: Boiler No. 7 burning Natural Gas.

Emission Source/Control: 00040 - Combustion
Design Capacity: 112 million Btu per hour

Emission Source/Control: 00FGR - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: 00LNB - Control
Control Type: LOW NOx BURNER

Item 56.2(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002
Process: C17 Source Classification Code: 1-02-005-01
Process Description:
Boiler No.7 burning Ultra Low Sulfur Diesel (ULSD). The boiler's rating drops from 112 mmBTU/hr to 108 mmBTU/hr when it operates on ULSD

Emission Source/Control: 00040 - Combustion
Design Capacity: 112 million Btu per hour

Emission Source/Control: 00FGR - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: 00LNB - Control
Control Type: LOW NOx BURNER

Item 56.3(From Mod 0):
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 56.4(From Mod 0):
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 56.5(From Mod 0):
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
Process Description:
VACUUM SYSTEM TO RECOVER GRANULATED
SUGAR.
OPERATION OF THIS PROCESS STARTED BEFORE
1973.

Emission Source/Control: 00021 - Process

Item 56.6(From Mod 0):
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 56.7(From Mod 0):
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 56.8(From Mod 0):
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
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 56.9(From Mod 0):
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 56.10(From Mod 0):
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

Emission Source/Control: S0029 - Process

Emission Source/Control: S0030 - Process

Emission Source/Control: S0031 - Process

Emission Source/Control: S0032 - Process

Item 56.11(From Mod 0):
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 56.12(From Mod 0):
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

Emission Source/Control: 0037A - Process

Item 56.13(From Mod 0):
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 56.14(From Mod 0):
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 56.15(From Mod 0):
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 56.16(From Mod 0):
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.
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 56.17(From Mod 0):
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 56.18(From Mod 0):

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 56.19(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

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 56.20(From Mod 0):
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 56.21(From Mod 0):
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 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 56.22(From Mod 0):
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 56.23(From Mod 0):
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 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 Permit Expiration Date

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: 0NY210000 (From Mod 1)
Name: OXIDES OF NITROGEN
PTE(s): 62.67 pounds per hour
549,000 pounds per year

Condition 1-5: Capping Monitoring Condition

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Replaces Condition(s) 58

Item 1-5.1:
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 1-5.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-5.3:
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 1-5.4:
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 1-5.5:
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 1-5.6:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002

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

Item 1-5.7:
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, or emission factors quarantied by the mfg. . NOx emissions for emission unit E0002 shall be calculated using the following formula:
NOx (lbs/year) = B3(NG) * EF(B3NG) * 1,000 btu/scf + B3OIL * EF (B3OIL) * 138,000 btu/gall +
+P6(NG) * EF(P6NG) * 1,000 btu/scf + P7(OIL) * EF(P7OIL) * 138,000 btu/gal +
+P8(NG) * EF(P8NG) * 1,000 btu/scf + P9(OIL) * EF(P9OIL) * 138,000 btu/gal +
+P12(NG) * EF(P12NG) * 1,000 btu/scf + P13(OIL) * EF(P13OIL) * 138,000 btu/gal +
+P14(NGT) * EF(P14NGT) * 1,000 btu/scf + P14(OILDB) * EF(P14OILDB) *138,000 btu/gal+
+P15(NGDB) * EF(P15NGDB) * 1,000 btu/scf + P15(OILT) * EF(P15OILT) *138,000 btu/gal +
+C16 * EF(C16)* 1,000 btu/scf + C17 (ULSD) * EF (C17) * 138,000 btu/gall

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),
C16 (NG) : Annual quantity of natural gas fired in Boiler #7,
C17 (ULSD) : Annual quantity of Ultra Low Sulfur Diesel fired in Boiler #7

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.
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 as per 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)

Emission Factors as per manufacturer's quaranty.
EF(C16): 0.036 lb/mmbtu
EF(C17): 0.1 lb/mmbtu

Heating values:
Natural gas =1,000 btu/scf
No.2 oil= 138,000 btu/gallon
ULSD = 138,000 btu/gallon -

Conversion factors
1 ton = 2000 lb
1 lb = 453.6 grams

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, Actual Stack Test, or mfg guarantees
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Capping Monitoring Condition
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:

Replaced by Condition(s) 1-5

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 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:
NOx (lbs/year) = B3(NG) * EF(B3NG) * 1,000 btu/scf + B3OIL * EF (B3OIL) * 138,000 btu/gall +
+P6(NG) * EF(P6NG) * 1,000 btu/scf + P7(OIL) * EF(P7OIL) * 138,000 btu/gal +
+P8(NG) * EF(P8NG) * 1,000 btu/scf + P9(OIL) * EF(P9OIL) * 138,000 btu/gal +
+P12(NG) * EF(P12NG) * 1,000 btu/scf + P13(OIL) * EF(P13OIL) * 138,000 btu/gal +
+P14(NGT) * EF(P14NGT) * 1,000 btu/scf + P14(OILDB) * EF(P14OILDB) *138,000 btu/gal+
+P15(NGDB) * EF(P15NGDB) * 1,000 btu/scf + P15(OILT) * EF(P15OILT) *138,000 btu/gal

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.
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).

Condition 64: Compliance Certification
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG

Expired by Mod 1

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
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 70: Compliance Certification
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG

Expired by Mod 1

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

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).

Condition 80: Compliance Certification
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.333, NSPS Subpart GG

Expired by Mod 1

Item 80.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002
Process: C14

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

Condition 1-6: Compliance Certification
Effective for entire length of Permit

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

Item 1-6.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002
Process: C16

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

Item 1-6.2:
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.
Subsequent reports are due every 6 calendar month(s).

Condition 1-7: Compliance Certification
Effective for entire length of Permit

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

Item 1-7.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002
Process: C17

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

Item 1-7.2:
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.

Manufacturer Name/Model Number: 30
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.
Subsequent reports are due every 6 calendar month(s).

Condition 1-8: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 227-1.4 (a)

Item 1-8.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00040
Process: C17

Item 1-8.2:
Compliance Certification shall include the following monitoring:

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

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60, Appendix A, Method 9
Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 1-9: Applicability of oxides of nitrogen standard.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.44b(h), NSPS Subpart Db

Item 1-9.1:
This Condition applies to Emission Unit: E-00002 Emission Point: 00040
Process: C17

Item 1-9.2:
The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

Condition 1-10: Compliance and performance requirements.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.46b(e)(1), NSPS Subpart Db

Item 1-10.1:
This Condition applies to Emission Unit: E-00002 Emission Point: 00040
Process: C17

Item 1-10.2: For the initial compliance test, nitrogen oxides from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the nitrogen oxides emission standards under §60.44b. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period.

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and

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 Permit Expiration Date

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: 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 Permit Expiration Date

Applicable State Requirement:

Replaced by Condition(s) 1-11

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.

(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 1-11: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-1.4

Replaces Condition(s) 86

Item 1-11.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

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

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

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

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

Condition 1-12: CLCPA Applicability
Effective for entire length of Permit

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

Replaces Condition(s) 87

Item 1-12.1:
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 87: CLCPA Applicability
Effective between the dates of 09/22/2020 and Permit Expiration Date

Applicable State Requirement:

Replaced by Condition(s) 1-12

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.