



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-1326-00275/00009
Effective Date: 02/03/2016 Expiration Date: 02/02/2021

Permit Issued To: CRICKET VALLEY ENERGY CENTER LLC
31 MILK ST STE 1001
BOSTON, MA 02109

Contact: ROBERT DE MEYERE
CRICKET VALLEY ENERGY CENTER LLC
31 MILK ST STE 1001
BOSTON, MA 02109
(617) 456-2214

Facility: CRICKET VALLEY ENERGY CENTER
2241 ST RTE 22
DOVER PLAINS, NY 12522

Description:

Cricket Valley Energy Center LLC (CVEC) is proposing to construct the Cricket Valley Energy Center (the Facility), a nominal net 1,000-megawatt (MW) combined-cycle gas turbine electric generating facility, on a site located in Dover, Dutchess County, New York. The project was previously approved (ASF Permit ID: 3-1326-00275/00004) by the New York State Department of Environmental Conservation (NYSDEC). The initial permit was issued on September 27, 2012 and an 18-month extension was granted by the NYSDEC on March 18, 2014 as construction had not commenced within 18 months from issuance of the initial permit. CVEC does not anticipate commencement of construction by the end of the 18-month extension period on September 27, 2015. However, CVEC anticipates that construction will commence in early 2016 and, therefore, this application is being submitted to obtain a new Air Title V permit for the Facility.

The Facility, as documented in this permit application, is consistent with the current permit referenced above. The Facility will consist of three General Electric (GE) Model 7FA.05 combustion turbine generators (CTGs) operating in combined-cycle mode with supplemental firing of the heat recovery steam generators (HRSGs); natural gas will be the sole fuel fired in the CTGs and duct burners. The Facility will include a natural gas-fired auxiliary boiler, four ultra-low sulfur distillate (ULSD) fired black-start generator engines and a ULSD-fired emergency fire pump engine. Since issuance of the original permit, GE has improved the performance of the 7FA.05 CTG and as a result, the maximum heat input to this model turbine has increased since the original approval. To accommodate this increase in heat input to the CTG, the maximum duct firing rate has been reduced. The auxiliary boiler, black-start generator engines and emergency fire pump engine will have the same rating and emissions as those contained in the original permit. In addition to the air emitting equipment, the Facility will include three steam turbine generators (STGs), an air cooled condenser (ACC) and associated auxiliary equipment and systems. Each combined cycle generating unit consisting of the CTG, HRSG and STG will be exhausted through its own stack.



Air emissions from the proposed Facility primarily consist of products of combustion from the CTGs, HRSG duct burners, and ancillary combustion sources. Dutchess County is designated as in attainment with respect to the National Ambient Air Quality Standards (NAAQS) for all criteria pollutants with the exception of ozone. Based upon the potential to emit (PTE) estimates, the Facility is subject to Prevention of Significant Deterioration (PSD) requirements for emissions of carbon monoxide (CO); nitrogen oxides (NOx); particulate matter (PM) with a diameter equal to or less than 10 microns (PM10), PM with a diameter equal to or less than 2.5 microns (PM2.5); greenhouse gases (GHG); sulfuric acid mist (H2SO4); and volatile organic compounds (VOC). In accordance with the NYSDEC's Nonattainment New Source Review (NNSR) permitting program, the Facility is also subject to NNSR for emissions of NOx and VOC.

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: GEORGE A SWEIKERT
 NYSDEC - REGION 3
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.3:

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

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

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or



revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

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

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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31 MILK ST STE 1001
BOSTON, MA 02109

Facility: CRICKET VALLEY ENERGY CENTER
2241 ST RTE 22
DOVER PLAINS, NY 12522

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

Permit Effective Date: 02/03/2016

Permit Expiration Date: 02/02/2021



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR 200.1 (cq): Compliance Certification
- 22 6 NYCRR 200.7: Compliance Certification
- 23 6 NYCRR 200.7: Compliance Certification
- 24 6 NYCRR 201-1.4 (a): Compliance Certification
- 25 6 NYCRR Subpart 201-6: Emission Unit Definition
- 26 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 27 6 NYCRR 202-1.2: Notification
- 28 6 NYCRR 202-2.3: Required contents of an emission statement.
- 29 6 NYCRR 202-2.4: Emission statement methods and procedures
- 30 6 NYCRR 211.1: Air pollution prohibited
- 31 6 NYCRR 225-1.2 (g): Compliance Certification
- 32 6 NYCRR 225-1.2 (h): Compliance Certification
- 33 6 NYCRR 227-1.3: Compliance Certification
- 34 6 NYCRR 227-1.3 (a): Compliance Certification
- 35 6 NYCRR 231-5.3: Compliance Certification
- 36 6 NYCRR 231-5.4: Compliance Certification
- 37 6 NYCRR 231-5.4: Compliance Certification
- 38 6 NYCRR 231-5.4: Compliance Certification
- 39 6 NYCRR 231-5.5: Compliance Certification
- 40 6 NYCRR 231-5.5: Compliance Certification
- 41 6 NYCRR 231-7.5: Compliance Certification
- 42 6 NYCRR 231-7.6: Compliance Certification
- 43 6 NYCRR 231-7.6: Compliance Certification



- 44 6 NYCRR 231-7.6: Compliance Certification
 - 45 6 NYCRR 231-7.6: Compliance Certification
 - 46 6 NYCRR 231-7.6: Compliance Certification
 - 47 6 NYCRR 231-7.6: Compliance Certification
 - 48 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 49 40CFR 60.7(a)(1), NSPS Subpart A: Compliance Certification
 - 50 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
 - 51 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
 - 52 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
 - 53 40CFR 60.8(d), NSPS Subpart A: Prior notice.
 - 54 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
 - 55 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
 - 56 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
 - 57 40CFR 60.4205(b), NSPS Subpart III: Compliance Certification
 - 58 40CFR 60.4205(c), NSPS Subpart III: Compliance Certification
 - 59 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification
 - 60 40CFR 60.4211(c), NSPS Subpart III: Compliance Certification
 - 61 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
 - 62 40CFR 97.406, Subpart AAAAA: Compliance Certification
 - 63 40CFR 97.506, Subpart BBBBB: Compliance Certification
 - 64 40CFR 97.606, Subpart CCCCC: Compliance Certification
- Emission Unit Level**
- 65 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 66 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001,Proc=P02

- 67 6 NYCRR 231-5.4: Compliance Certification
- 68 6 NYCRR 231-5.4: Compliance Certification
- 69 6 NYCRR 231-5.4: Compliance Certification
- 70 6 NYCRR 231-7.6: Compliance Certification
- 71 6 NYCRR 231-7.6: Compliance Certification
- 72 6 NYCRR 231-7.6: Compliance Certification
- 73 6 NYCRR 231-7.6: Compliance Certification
- 74 6 NYCRR 231-7.6: Compliance Certification

EU=U-00001,Proc=P02,ES=AUX01

- 75 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 76 40CFR 60.48c(g)(2), NSPS Subpart Dc: Alternative Recordkeeping

EU=U-00001,Proc=P03

- 77 6 NYCRR 231-5.4: Compliance Certification
- 78 6 NYCRR 231-5.4: Compliance Certification
- 79 6 NYCRR 231-7.6: Compliance Certification
- 80 6 NYCRR 231-7.6: Compliance Certification
- 81 6 NYCRR 231-7.6: Compliance Certification
- 82 6 NYCRR 231-7.6: Compliance Certification

EU=U-00004,Proc=P06

- 83 6 NYCRR 231-5.4: Compliance Certification
- 84 6 NYCRR 231-5.4: Compliance Certification
- 85 6 NYCRR 231-7.6: Compliance Certification



- 86 6 NYCRR 231-7.6: Compliance Certification
- 87 6 NYCRR 231-7.6: Compliance Certification
- 88 6 NYCRR 231-7.6: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 89 ECL 19-0301: Contaminant List
- 90 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 91 6 NYCRR 211.2: Visible Emissions Limited
- 92 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 93 6 NYCRR 242-1.5: Compliance Demonstration
- 94 6 NYCRR 242-1.5: Compliance Demonstration
- 95 6 NYCRR Subpart 242-4: Compliance Demonstration
- 96 6 NYCRR Subpart 242-8: Compliance Demonstration
- 97 6 NYCRR 251.6 (d): Compliance Demonstration

Emission Unit Level

EU=U-00001

- 98 6 NYCRR 251.3 (a): Compliance Demonstration

EU=U-00002

- 99 6 NYCRR 251.3 (a): Compliance Demonstration

EU=U-00003

- 100 6 NYCRR 251.3 (a): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: 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: 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 C: 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 D: 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 E: 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 F: 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 G: 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 H: 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 I: 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 J: 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 K: Reopening for Cause - 6 NYCRR 201-6.4 (i)

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: 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 M: 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 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill



Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

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 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.

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The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.



Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous



agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 02/03/2016 and 02/02/2021**

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 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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

Item 16.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

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 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 02/03/2016 and 02/02/2021

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: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 200.1 (cq)

Item 21.1:

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

Emission Unit: U-00001 Process: P03	Emission Source: BSG01
Emission Unit: U-00001 Process: P03	Emission Source: BSG02
Emission Unit: U-00001 Process: P03	Emission Source: BSG03
Emission Unit: U-00001 Process: P03	Emission Source: BSG04
Emission Unit: U-00004 Process: P06	Emission Source: 0FP01

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The emergency generators, as well as the emergency fire pump engine, are limited to 500 hours of operation per year, rolled monthly, in order to be considered emergency units. The facility must maintain records on site tracking the hours of operation, rolling the hours monthly.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Compliance Certification

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Applicable Federal Requirement:6 NYCRR 200.7

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The facility will maintain records to verify concentration of ammonia stored on-site is equal to or less than 19%. Vendor certifications or analyses must be provided per delivery to verify concentration.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: AMMONIA

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 19 percent

Reference Test Method: EPA Approved Method

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 23: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 200.7

Item 23.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: EP001

Emission Unit: U-00002 Emission Point: EP002

Emission Unit: U-00003 Emission Point: EP003

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



Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain and operate continuous emissions monitors for ammonia. The 5.0 ppmvd corrected to 15% Oxygen limit applies during all turbine loads, all fuels being fired and all duct burner operations.

Manufacturer Name/Model Number: Ammonia Analyzer

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 75, Part 60 App A/B/F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

Condition 24: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 201-1.4 (a)

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operators shall monitor all occurrences of start-up and shut-down from the combustion turbines. This data shall consist of duration of start-up and duration of shut-down and total pounds of emissions of NO_x, CO and NH₃ monitored with a CEM.

After the owner or operator has recorded successful 15 start-ups and 15 shut-downs, they must develop start-up and shut-down limits. Within 60 days of recording the 15th start-up and shut-down, the owner or operators must submit the proposed limits to the Department for approval.

Monitoring Frequency: CONTINUOUS

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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 25: Emission Unit Definition
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 25.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of one combustion turbine generator, one heat recovery steam generator with supplemental duct firing, one auxiliary boiler, and four black start generators. Emissions from all equipment in this unit exhaust through a common stack.

Building(s): ACC01
CTGEN01
HRSG01

Item 25.2:

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of one combustion turbine generator and one heat recovery steam generator with supplemental duct firing. Both sources exhaust through a common stack.

Building(s): ACC02
CTGEN01
HRSG02

Item 25.3:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of one combustion turbine generator and one heat recovery steam generator with supplemental duct firing. Both sources exhaust through a common stack.

Building(s): ACC03
CTGEN01
HRSG03

Item 25.4:

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

Emission Unit: U-00004

Emission Unit Description:

This emission unit represents the emergency fire pump at



the facility.

Building(s): WATANK

Condition 26: Progress Reports Due Semiannually
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 26.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 27: Notification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 27.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 28: Required contents of an emission statement.
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 202-2.3

Item 28.1:

(a) Emission statements shall include the following:

(1) Certification by a duly authorized representative. A duly authorized representative must sign a form provided by the Department to verify the truth, accuracy, and completeness of the emission statement. This certification shall state that, based on information and belief formed after reasonable inquiry by the duly authorized representative, the statements and information in the document are true, accurate, and complete. The certification shall include the full name, title, original signature, date of signature and telephone number of the duly authorized representative.

(2) Facility level information, consisting of:

(i) verification of full name of facility;



- (ii) verification of parent company name;
 - (iii) verification of street address (physical location) of the facility;
 - (iv) verification of four digit SIC code(s) for the facility;
 - (v) calendar year reportable emissions.
 - (vi) total facility fuel use and fuel sulfur content and heat value (for combustion installations); and,
 - (vii) fugitive emissions.
- (3) Emission point level information, consisting of:
- (i) average hours of operation per day (peak ozone and carbon monoxide seasons);
 - (ii) average days of operation per week (peak ozone and carbon monoxide seasons);
 - (iii) weeks of operation per year (seasonal and annual);
 - (iv) hours of operation per year; and
 - (v) percentage annual throughput (percentage of annual activity by season).
 - (vi) verification of latitude and longitude.
- (4) Process level information, consisting of:
- (i) maximum heat input (for combustion installations);
 - (ii) quantity of fuels consumed (for combustion installations);
 - (iii) estimated actual annual reportable emissions, for each air regulated air pollutant emitted, (in units of pounds per year);
 - (iv) estimated emissions method (see 6 NYCRR Part 202-2.4(b));
 - (v) emission factor(s) (if used to determine actual emissions);
 - (vi) primary and secondary control equipment identification code(s);
 - (vii) control efficiencies achieved by the control equipment. The control efficiency should reflect the total control efficiency from all control equipment for a specific criteria group (e.g., VOCs and NO_x). If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used;
 - (viii) annual process rate;
 - (ix) peak ozone season daily process rate.



(b) Petroleum, volatile organic liquid, and fuel storage and distribution facilities must provide the following additional information:

(1) tank capacity (including maximum and average liquid height, and working volume);
and

(2) throughput associated with tanks and loading racks (including turnovers per year).

(c) The Department shall provide instructions concerning the emission statements applicable to a particular facility, when the statement is mailed to the facility. These instructions shall include control equipment identification code(s) and estimated emissions method code(s).

Condition 29: Emission statement methods and procedures
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 202-2.4

Item 29.1:

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

(a) Emissions estimates shall be based on the owner's or operator's use of the following methods. For each instance, the owner or operator must utilize one of the following emissions estimation methods to represent actual emissions emitted during the calendar year.

(1) stack samples or other emission measurements;

(2) material balance using knowledge of the process;

(3) national emission factors;

(4) best engineering judgement (including manufacturers' guarantees);

(5) state or local agency emission factors approved by EPA;

(6) standard EPA emission factors (SCC emission factor). The Department shall assign the SCC to a particular facility. A source owner may request the Department to change an assigned SCC;

(7) other published emission factors (please provide); and

(8) other (please specify).

(NOTE: Emissions testing is generally not required for determining emissions to comply with this regulation. When monitoring or testing data is available and has been validated and verified by the Department and is still applicable to the operations during the reporting period, this monitoring or testing data should be used to calculate emissions for this reporting requirement. In the absence of validated monitoring or testing data, the facility should use the emissions estimation method which would yield accurate emissions data.)

(b) If a source owner or operator is required to use a specific monitoring method to demonstrate compliance with other applicable requirements, the Department may require that the



emission estimates for the corresponding processes be based on information obtained from that monitoring method. The Department may reject the use of a proposed method for a particular process if it can be demonstrated that the method does not represent actual emissions.

(c) Any owner or operator of a reportable facility shall transmit the emission statement to the Department on forms acceptable to the Department. With the prior approval of the Department, an emission statement which meets the requirements of section 202-2.4 may be submitted on computer diskette or transmitted electronically in lieu of a written submission.

(d) The owner or operator may request that information submitted in emission statements be designated as a trade secret, in accordance with Part 616 of this Title. Data elements not considered to be confidential include: emissions, estimated emissions method, and the SCC. The Department will evaluate claims for confidentiality in accordance with Part 616 of this Title.

Condition 30: Air pollution prohibited
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 30.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 31: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. 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

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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 32: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

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 33: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 33.1:

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

Emission Unit: U-00001 Process: P03	Emission Source: BSG01
Emission Unit: U-00001 Process: P03	Emission Source: BSG02
Emission Unit: U-00001 Process: P03	Emission Source: BSG03
Emission Unit: U-00001 Process: P03	Emission Source: BSG04
Emission Unit: U-00004 Process: P06	Emission Source: OFP01

Item 33.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. When the emergency generators and fire pump engine are operating, their stacks must be observed to ensure that visible emissions do not exceed the limit. All corrective actions taken must be recorded and maintained on site for Department review. The Department reserves the right to require performance testing to verify compliance.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 34.1:

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

Emission Unit: U-00001 Process: P01	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00001 Process: P01	Emission Point: EP001 Emission Source: DB001
Emission Unit: U-00001 Process: P02	Emission Point: EP001 Emission Source: AUX01
Emission Unit: U-00002 Process: P04	Emission Point: EP002 Emission Source: CT002
Emission Unit: U-00002 Process: P04	Emission Point: EP002 Emission Source: DB002
Emission Unit: U-00003 Process: P05	Emission Point: EP003 Emission Source: CT003
Emission Unit: U-00003 Process: P05	Emission Point: EP003 Emission Source: DB003

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The facility shall conduct performance tests on the combustion turbines, associated duct burners (for emission points U-00002 and U-00003) and auxiliary boiler (for emission point U-00001) operating in conjunction to verify compliance. This testing must be completed within 180 days of start-up. The Department reserves the right to require additional performance tests to verify future compliance.

Parameter Monitored: OPACITY

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.3

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

LAER Facility-wide PTE:

NOx, 266.4 tpy

VOC, 96.2 tpy

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 36: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: P01

Emission Source: CT001

Emission Unit: U-00001

Process: P01

Emission Source: DB001

Emission Unit: U-00002

Emission Point: EP002

Emission Unit: U-00003

Emission Point: EP003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 36.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy LAER requirements, each combustion turbine and associated duct burner will not exceed a VOC emission rate of 0.7 ppmvd at 15% oxygen, without duct firing. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved through good combustion practices and an oxidation catalyst. Stack testing will be conducted to demonstrate compliance with these limits. Testing procedures and reporting requirements outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent performance testing to verify future compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.7 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60 Appendix A, EPA RM 18/25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: P01

Emission Source: CT001

Emission Unit: U-00001

Process: P01

Emission Source: DB001

Emission Unit: U-00002

Emission Point: EP002

Emission Unit: U-00003

Emission Point: EP003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

To satisfy LAER requirements, each combustion turbine will not exceed a VOC emission rate of 1.8 ppmvd at 15% oxygen, with duct firing. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved through good combustion practices and an oxidation catalyst. Stack testing will be conducted to demonstrate compliance with these limits. Testing procedures and reporting requirements outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent performance testing to verify future compliance.

Parameter Monitored: VOC
Upper Permit Limit: 1.8 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix A, EPA RM 18/25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 38.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00001	Emission Source: CT001
Process: P01	
Emission Unit: U-00001	Emission Source: DB001
Process: P01	
Emission Unit: U-00002	Emission Point: EP002
Emission Unit: U-00003	Emission Point: EP003
Regulated Contaminant(s):	
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 38.2:
Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Each combustion turbine and associated duct burner will not exceed a NOx emission rate of 2.0 ppmvd at 15% oxygen, with and without duct firing, to satisfy LAER requirements. This emission rate applies at all operating loads, except during startup and shutdown, and will be achieved through the application of dry low NOx burners in combination with selective catalytic reduction. The facility will install, operate and maintain a CEMS to monitor NOx stack emissions. Acceptable CEMS procedures are outlined in 6 NYCRR Part 227-2.6(b), 40 CFR Part 60.4345 and 40 CFR Part 75. Excess emissions shall be identified by using the procedures outline in 40 CFR Part 60.4350. Reports shall be submitted quarterly and must comply with the requirements of 6 NYCRR Part 227-2.6(b)(4).

Manufacturer Name/Model Number: CEMS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 75, Part 60 App A/B/F, EPA RM 7E

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 4/30/2016.

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

Condition 39: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.5

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility's potential to emit VOCs is 96.2 tons per year. VOC emissions must be offset by a ratio of 1.15 to 1. Therefore, the permittee has obtained 136 tons of VOC emission reduction credits in accordance with Part 231-5.2(d), from the following facility:

3M Bristol
PA_DEC ID#: PADEP 09-00005
136.0 tpy

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 40: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.5

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility's potential to emit NOx is 266.4 tons per year. NOx emissions must be offset by a ratio of 1.15 to 1. Therefore, the permittee has obtained 322.11 tons of NOx emission reduction credits in accordance with Part 231-5.2(d), from the following facilities:

Norbord Industries, Inc.
DEC ID# 4-1230-00019
178.24 tpy

Georgia-Pacific Consumer Operations LLC
DEC ID# 5-0913-00004
142.87 tpy

EastRiver Housing Corporation
DEC ID# 2-6206-00096
1.0 tpy

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 41: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.5

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



BACT Facility-wide PTE:

CO, 318.2 tpy
PM2.5, 175.4 tpy
PM10, 175.4 tpy
H2SO4, 19.7 tpy
CO2e, 3,597,898 tpy

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 42: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: P01

Emission Unit: U-00002
Process: P04

Emission Unit: U-00003
Process: P05

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

To satisfy BACT, only pipeline quality natural gas with a maximum sulfur content of 0.4 grains/100 dscf will be fired in the combustion turbines and duct burners. The sulfur content of the natural gas must be verified through a certification or analysis provided by the fuel supplier on a per batch basis. Records of each fuel analysis must be kept on site for at least five years and reports are required to be submitted to the Department on a semi-annual basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.4 grains per 100 dscf

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 43.1:

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

Emission Unit: U-00001
Process: P01 Emission Source: CT001
Emission Unit: U-00001
Process: P01 Emission Source: DB001
Emission Unit: U-00002 Emission Point: EP002
Emission Unit: U-00003 Emission Point: EP003
Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

To satisfy BACT requirements, each combustion turbine will not exceed a sulfuric acid mist emission limit of 0.00065 lb/mmBtu at all loads, with or without duct firing. This limit will be achieved by firing pipeline quality natural gas with a sulfur content of 0.4 gr/100 dscf. Emission testing must be performed within 180 days after start-up.

Parameter Monitored: SULFURIC ACID
Upper Permit Limit: 0.00065 pounds per million Btus
Reference Test Method: 40 CFR Part 60 App A, EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Certification



Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 44.1:

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

Emission Unit: U-00001	Emission Source: CT001
Process: P01	
Emission Unit: U-00001	Emission Source: DB001
Process: P01	
Emission Unit: U-00002	Emission Point: EP002
Emission Unit: U-00003	Emission Point: EP003
Regulated Contaminant(s):	
CAS No: 0NY075-00-0	PARTICULATES

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each combustion turbine and associated duct burner will not exceed a particulate emission rate of 0.006 lb/mmBtu, with duct firing. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved by firing pipeline quality natural gas as the sole fuel in the turbines and duct burners to satisfy BACT requirements. Stack testing will be conducted to demonstrate compliance with these limits. Testing procedures outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing shall be performed within 180 days after start-up. The Department reserves the right to require subsequent performance testing to verify future compliance.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.006 pounds per million Btus

Reference Test Method: 40 CFR 60 App A, EPA RM 5, 201/201A or 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 45: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: P01

Emission Source: CT001

Emission Unit: U-00001

Process: P01

Emission Source: DB001

Emission Unit: U-00002

Emission Point: EP002

Emission Unit: U-00003

Emission Point: EP003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each combustion turbine and associated duct burner will not exceed a particulate emission rate of 0.005 lb/mmBtu, without duct firing. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved by firing pipeline quality natural gas as the sole fuel in the turbines and duct burners to satisfy BACT requirements. Stack testing will be conducted to demonstrate compliance with these limits. Testing procedures outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing shall be performed within 180 days after start-up. The Department reserves the right to require subsequent performance testing to verify future compliance.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.005 pounds per million Btus

Reference Test Method: 40 CFR 60 App A, EPA RM 5, 201/201A or 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 46.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: U-00001 Process: P01	Emission Source: CT001
Emission Unit: U-00001 Process: P01	Emission Source: DB001
Emission Unit: U-00002	Emission Point: EP002
Emission Unit: U-00003	Emission Point: EP003
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each combustion turbine and associated duct burner will not exceed a CO emission rate of 2.0 ppmvd at 15% oxygen, with and without duct firing. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved through good combustion practices and an oxidation catalyst to satisfy BACT requirements. The facility will install, operate and maintain a CEMS in order to monitor CO stack emissions.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60 App A/B/F, EPA RM 10
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 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 47.1:

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

Emission Unit: U-00001

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Process: P01	Emission Source: CT001
Emission Unit: U-00001	
Process: P01	Emission Source: DB001
Emission Unit: U-00002	
Process: P04	Emission Source: CT002
Emission Unit: U-00002	
Process: P04	Emission Source: DB002
Emission Unit: U-00003	
Process: P05	Emission Source: CT003
Emission Unit: U-00003	
Process: P05	Emission Source: DB003
Regulated Contaminant(s):	
CAS No: 0NY750-00-0	CARBON DIOXIDE EQUIVALENTS

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each combustion turbine will not exceed a heat rate of 7,604 Btu/kW-hr HHV net basis, without duct firing, for full load at ISO conditions. This heat rate will be achieved through high efficiency, state-of-the-art combustion turbine technology in conjunction with burning natural gas as the sole fuel, to satisfy greenhouse gas BACT requirements.

Within 90 days of start-up of the facility and on an annual basis thereafter, the owner or operator shall conduct a Department-approved heat rate performance test on each combined cycle unit while it is operating at maximum load to determine heat rate.

Parameter Monitored: HEAT RATE

Upper Permit Limit: 7,604 BTU per kilowatt-hour

Reference Test Method: EPA Approved Method

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 48: EPA Region 2 address.



Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 48.1:

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 49: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.7(a)(1), NSPS Subpart A

Item 49.1:

The Compliance Certification activity will be performed for the Facility.

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of the date construction (or reconstruction as defined under 40 CFR Part 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Recordkeeping requirements.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 50.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 51: Facility files for subject sources.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 51.1:

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 52: Performance test methods.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 52.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 53: Prior notice.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 53.1:

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

Condition 54: Performance testing facilities.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 54.1:



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 55: Number of required tests.
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 55.1:

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 56: Monitoring requirements.
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 56.1:

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

Condition 57: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.4205(b), NSPS Subpart III

Item 57.1:

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

Emission Unit: U-00001 Process: P03	Emission Source: BSG01
Emission Unit: U-00001 Process: P03	Emission Source: BSG02
Emission Unit: U-00001 Process: P03	Emission Source: BSG03
Emission Unit: U-00001 Process: P03	Emission Source: BSG04

Item 57.2:
Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To comply with 40 CFR Part 60, Subpart IIII, the four emergency generators must meet the emission standards per 40 CFR 60.4205(b). The applicable limits for a 3000 kW electrical new black-start emergency CI engine are USEPA's Tier 2 limits as follows:

NOx + VOC: 6.4 g/kW-hr

CO: 3.5 g/kW-hr

PM: 0.2 g/kW-hr

Vendor data supplied by Miratech verifies that post-SCR emissions from each generator will meet these limits. The emission limits established in satisfying LAER and BACT requirements in 6 NYCRR Part 231 are more stringent than the 40 CFR Part 60, Subpart IIII limits. Any questions concerning compliance and/or enforcement of this regulation should be referred to the USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.4205(c), NSPS Subpart IIII

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00004

Process: P06

Emission Source: 0FP01

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To comply with 40 CFR Part 60, Subpart IIII, the fire pump engine must meet the emission standards per Table 4 of this Subpart. The applicable limits for a fire pump engine with a displacement less than 30 liters per cylinder and an energy rating between 300 and 600 hp are as follows:

NOx + VOC: 4.0 g/kW-hr



CO: 3.5 g/kW-hr
PM: 0.2 g/kW-hr

Vendor data supplied by John Deere Power Systems verifies that emissions from the fire pump engine will meet these limits. The emission limits established in satisfying LAER and BACT requirements in 6 NYCRR Part 231 are more stringent than the 40 CFR Part 60, Subpart IIII limits. Any questions concerning compliance and/or enforcement of this regulation should be referred to the USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.4211(a), NSPS Subpart IIII

Item 59.1:

The Compliance Certification activity will be performed for the Facility.

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI internal combustion engine must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must do all of the following:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the facility

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 60.4211(c), NSPS Subpart IIII

Item 60.1:



The Compliance Certification activity will be performed for the Facility.

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power.

The engine must be installed and configured according to the manufacturer's specifications.

The manufacturer's certification of compliance with the emission standards specified in 40 CFR 60 Subpart IIII for major pollutants will be sent to the Department prior to commencement of operation of the engines.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40 CFR Part 72

Item 61.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

Condition 62: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 62.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 62.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021



Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 63.1:

The Compliance Certification activity will be performed for the Facility.

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:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.
- (2) The facility, and the designated representative, of each TR NO_x Ozone Season source (facility) and each TR NO_x Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.
- (3) The emissions data determined shall be used to calculate allocations of TR NO_x Ozone Season allowances and to determine compliance with the TR NO_x Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Ozone Season facility and each TR NO_x Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NO_x Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less



than the tons of total NO_x emissions for such control period from all TR NO_x Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 64.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO₂ Group 1 source (facility) and each TR SO₂ Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.



(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 65: Emission Point Definition By Emission Unit
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 65.1:

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 283

Diameter (in.): 228

NYTMN (km.): 4614.8

NYTME (km.): 618.142

Item 65.2:

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 283

Diameter (in.): 228

NYTMN (km.): 4614.792

NYTME (km.): 618.15

Item 65.3:

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 283

Diameter (in.): 228

NYTMN (km.): 4614.792

NYTME (km.): 618.144



Item 65.4:

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

Emission Unit: U-00004

Emission Point: EP004

Height (ft.): 50 Diameter (in.): 8

NYTMN (km.): 4614.954 NYTME (km.): 618.216

Condition 66: Process Definition By Emission Unit
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 66.1:

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

Emission Unit: U-00001

Process: P01

Source Classification Code: 2-01-002-01

Process Description:

This process represents natural gas combustion in the combustion turbine and the duct burner. Dry low NOx combustion technology and selective catalytic reduction will be used to control NOx emissions from the process. An oxidation catalyst will be used to control emissions of carbon monoxide and VOC.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,395.7 million Btu per hour

Emission Source/Control: DB001 - Combustion
Design Capacity: 247 million Btu per hour

Emission Source/Control: DLN01 - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXC01 - Control
Control Type: CATALYTIC OXIDATION

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

Item 66.2:

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

Emission Unit: U-00001

Process: P02

Source Classification Code: 1-02-006-02

Process Description:

This process represents natural gas combustion in the auxiliary boiler. Hours of operation of the boiler will be limited to 4500 hours per year, which equates to 270

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million cubic feet of natural gas consumption per year.

Emission Source/Control: AUX01 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: FGR01 - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: LNB01 - Control
Control Type: LOW NOx BURNER

Item 66.3:

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

Emission Unit: U-00001
Process: P03 Source Classification Code: 2-02-001-02
Process Description:

This process represents diesel oil combustion in the four black start emergency generators. These units will be limited to 500 hours of run time per year.

Emission Source/Control: BSG01 - Combustion
Design Capacity: 3,000 kilowatts

Emission Source/Control: BSG02 - Combustion
Design Capacity: 3,000 kilowatts

Emission Source/Control: BSG03 - Combustion
Design Capacity: 3,000 kilowatts

Emission Source/Control: BSG04 - Combustion
Design Capacity: 3,000 kilowatts

Item 66.4:

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

Emission Unit: U-00002
Process: P04 Source Classification Code: 2-01-002-01
Process Description:

This process represents natural gas combustion in the combustion turbine and the duct burner. Dry low NOx combustion technology and selective catalytic reduction will be used to control NOx emissions from the process. An oxidation catalyst will be used to control emissions of carbon monoxide and VOC.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,395.7 million Btu per hour

Emission Source/Control: DB002 - Combustion
Design Capacity: 247 million Btu per hour



Emission Source/Control: DLN02 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXC02 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 66.5:

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

Emission Unit: U-00003
Process: P05 Source Classification Code: 2-01-002-01
Process Description:

This process represents natural gas combustion in the combustion turbine and the duct burner. Dry low NO_x combustion technology and selective catalytic reduction will be used to control NO_x emissions from the process. An oxidation catalyst will be used to control emissions of carbon monoxide and VOC.

Emission Source/Control: CT003 - Combustion
Design Capacity: 2,395.7 million Btu per hour

Emission Source/Control: DB003 - Combustion
Design Capacity: 247 million Btu per hour

Emission Source/Control: DLN03 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXC03 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR03 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 66.6:

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

Emission Unit: U-00004
Process: P06 Source Classification Code: 2-02-001-02
Process Description:

This process represents diesel oil combustion in the emergency fire pump. The emergency fire pump will operate no more than 500 hours per year.

Emission Source/Control: OFP01 - Combustion
Design Capacity: 460 horsepower (mechanical)

Condition 67: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021



Applicable Federal Requirement:6 NYCRR 231-5.4

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Operation of the auxiliary boiler is restricted to 4,500
hours per year. Facility will maintain hourly usage and
fuel consumption records.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 4,500 hours

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 68: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



To satisfy LAER requirements, the auxiliary boiler will not exceed a VOC emission rate of 0.0015 lb/mmBtu. This emission limit applies at all operating loads, except during startup and shutdown, and will be achieved through good combustion practices. Stack testing will be conducted to demonstrate compliance with these limits. Testing procedures and reporting requirements outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent emissions testing to verify future compliance.

Parameter Monitored: VOC
Upper Permit Limit: 0.0015 pounds per million Btus
Reference Test Method: 40 CFR Part 60 App A, EPA RM 18 or 25A
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

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

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The auxiliary boiler will meet a NOx emission rate of 0.0085 lb/mmBtu to satisfy LAER. The boiler will use flue gas recirculation in combination with low-NOx burners to meet this limit. Initial performance testing is required under 40 CFR 60.8(a) to verify this rate. The facility must also adhere to the NOx RACT testing procedures as outlined in 6 NYCRR 227-2.6(c). Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent emissions testing to verify future compliance.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.0085 pounds per million Btus

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Reference Test Method: 40 CFR Part 60 App A, EPA RM 7, 7E or 19
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

To satisfy BACT, only pipeline quality natural gas with a maximum sulfur content of 0.4 grains/100 dscf will be fired in the auxiliary boiler. The sulfur content of the natural gas must be verified through a certification or analysis provided by the fuel supplier on a per batch basis. Records of each fuel analysis must be kept on site for at least five years and reports are required to be submitted to the Department on a semi-annual basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NATURAL GAS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.4 grains per 100 dscf
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 71.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 3132600275



Emission Unit: U-00001
Process: P02

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, the auxiliary boiler will not exceed a sulfuric acid mist emission limit of 0.00011 lb/mmBtu. This limit will be achieved by firing pipeline quality natural gas with a sulfur content of 0.4 gr/100 dscf. Emission testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent emissions testing to verify future compliance.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.00011 pounds per million Btus

Reference Test Method: EPA Approved Method

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 72: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

Regulated Contaminant(s):
CAS No: 000000-00-0 PARTICULATES

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The auxiliary boiler will not exceed a particulate emission rate of 0.005 lb/mmBtu. This emission limit will be achieved through the use of good combustion practices

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and by firing pipeline quality natural gas as the sole fuel to satisfy BACT requirements. Stack testing will be conducted as per 40 CFR 60.45c, to demonstrate compliance with these limits. Testing procedures outlined in 6 NYCRR Part 202-1 shall also be adhered to. Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent emissions testing to verify future compliance.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.005 pounds per million Btus

Reference Test Method: 40 CFR Part 60 App A, EPA RM 5, 201/201A or 202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 73: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The auxiliary boiler will not exceed a CO emission rate of 0.0375 lb/mmBtu. This emission limit will be achieved through good combustion practices in order to satisfy BACT requirements. Stack testing will be conducted to demonstrate compliance with this limit. Testing procedures outlined in 6 NYCRR Part 202-1 shall be adhered to. Testing must be performed within 180 days after start-up. The Department reserves the right to require subsequent emissions testing to verify future compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.0375 pounds per million Btus

Reference Test Method: 40 CFR Part 60 App A, EPA RM 10

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 74: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 74.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The auxiliary boiler will not exceed a greenhouse gas emission rate of 119 lb CO₂e/mmBtu. This limit also satisfies compliance with the emission requirements of 6 NYCRR Part 251.3(a). This emission rate will be achieved through good combustion practices in conjunction with burning natural gas as the sole fuel, to satisfy BACT requirements. This limit must be measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual Btu input over the same 12-month period.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS
Upper Permit Limit: 119 pounds per million Btus
Reference Test Method: EPA Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

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

Item 75.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: P02

Emission Source: AUX01

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 76: Alternative Recordkeeping
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 40CFR 60.48c(g)(2), NSPS Subpart Dc

Item 76.1:

This Condition applies to Emission Unit: U-00001
Process: P02 Emission Source:
AUX01

Item 76.2:

As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

Condition 77: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021



Applicable Federal Requirement:6 NYCRR 231-5.4

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

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

Item 77.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The four emergency black start generator will be equipped with an integrated SCR and will each maintain a NO_x limit of 2.11 g/bhp-hr to satisfy LAER requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.11 grams per brake horsepower-hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 78: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

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

Item 78.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



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

Monitoring Description:

Each emergency black start generators will maintain a VOC limit of 0.11 g/bhp-hr to satisfy LAER requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.11 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 79: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P03

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emergency black start generators will maintain a particulate limit of 0.15 g/bhp-hr through state-of-the-art combustion design to satisfy BACT requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. Any corrective actions performed must be recorded and maintained on site for Department review. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

Parameter Monitored: PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Upper Permit Limit: 0.15 grams per brake horsepower-hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 80: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

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

Item 80.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emergency black start generators will maintain a CO limit of 2.6 g/bhp-hr through state-of-the-art combustion design to satisfy BACT requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. Any corrective actions performed must be recorded and maintained on site for Department review. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 2.6 grams per brake horsepower-hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 81: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 81.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: P03

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 81.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each emergency generator will not exceed total greenhouse gas emissions of 1,211 tpy, recorded as a 12-month total, rolled monthly. This limit is established through emission factors published in 40 CFR Part 98, Subpart C, Tables C-1 and C-2 for CO₂ and CH₄/N₂O, respectively. This limit will be achieved through good combustion practices and efficient engine design to satisfy BACT requirements. Records must be maintained on site and made available for Department review.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS
Upper Permit Limit: 1,211 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 82: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

To satisfy BACT requirements, each emergency generator will not exceed a sulfuric acid mist emission limit of

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



0.0001 lb/mmBtu. This limit will be achieved by firing ULSD with a maximum sulfur content of 0.0015 percent. The Department reserves the right to require performance testing to verify emissions.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0001 pounds per million Btus

Reference Test Method: EPA Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 83: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: P06

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 83.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emergency fire pump engine will meet a VOC LAER emission rate of 0.10 g/bhp-hr. The engine will utilize state-of-the-art combustion design to satisfy this requirement. Compliance will be demonstrated via emission certification by the vendor and adherence to vendor specified maintenance procedures. The Department reserves the right to require the performance of a stack test to verify this emission rate.

Parameter Monitored: VOC

Upper Permit Limit: 0.1 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 84: Compliance Certification

Effective between the dates of 02/03/2016 and 02/02/2021



Applicable Federal Requirement:6 NYCRR 231-5.4

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P06

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

Item 84.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emergency fire pump engine will meet a NO_x emission rate of 2.6 g/bhp-hr to satisfy LAER. The engine will use utilize state-of-the-art combustion design to satisfy this requirement. Compliance will be demonstrated via emission certification by the vendor and adherence to vendor specified maintenance procedures. The Department reserves the right to require the performance of a stack test to verify this emission rate.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.6 grams per brake horsepower-hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 85: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P06

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 85.2:

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

The fire pump engine will not exceed total greenhouse gas emissions of 115 tpy, recorded as a 12-month total, rolled monthly. This limit is established through emission factors published in 40 CFR Part 98, Subpart C, Tables C-1 and C-2 for CO₂ and CH₄/N₂O, respectively. This limit will be achieved through good combustion practices and efficient engine design to satisfy BACT requirements. Records must be maintained on site and made available for Department review.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS
Upper Permit Limit: 115 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 86: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P06

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

Item 86.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The fire pump engine will maintain a particulate limit of 0.087 g/bhp-hr through state-of-the-art combustion design to satisfy BACT requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. Any corrective actions performed must be recorded and maintained on site for Department review. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.087 grams per brake
horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: P06

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 87.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The fire pump engine will maintain a CO limit of 0.53 g/bhp-hr through state-of-the-art combustion design to satisfy BACT requirements. Compliance with this limit will be demonstrated via vendor emission certifications and adherence to vendor-specified maintenance recommendations. Any corrective actions performed must be recorded and maintained on site for Department review. The Department reserves the right to require additional emissions testing on these units to demonstrate compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.53 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 88: Compliance Certification
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 88.1:



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: 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 89: Contaminant List
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:ECL 19-0301

Item 89.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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



CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007664-93-9
Name: SULFURIC ACID

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

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

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

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

Condition 90: Malfunctions and start-up/shutdown activities
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 90.1:

(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 91: Visible Emissions Limited
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 211.2

Item 91.1:

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 92: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 92.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

Condition 93: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 93.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 93.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



The owners and operators and, to the extent applicable, the CO₂ authorized account representative of each CO₂ budget source and each CO₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

(1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.

(2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.

(3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.

(4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.

(5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO₂ allowance was allocated. A CO₂ offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO₂ allowance under the CO₂ Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO₂ in accordance with the CO₂ Budget Trading Program. No provision of the CO₂ Budget Trading Program, the CO₂ budget permit application, or the CO₂ budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.



(7) A CO2 allowance under the CO2 Budget Trading Program does not constitute a property right.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 94: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement: 6 NYCRR 242-1.5

Item 94.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.



The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR Subpart 242-4

Item 95.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 95.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.

(b) The compliance certification report shall include the following elements:

(1) identification of the source and each CO2 budget unit at the source;

(2) as an option, the serial numbers of the CO2 allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO2 offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part;



and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO₂ authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO₂ budget units at the source in compliance with the CO₂ Budget Trading Program, whether the source and each CO₂ budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO₂ Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO₂ requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph (c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 96: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR Subpart 242-8

Item 96.1:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 96.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO₂ budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO₂ authorized account representative shall submit an application to the department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO₂ authorized account representative shall submit quarterly reports, as follows:

(1) The CO₂ authorized account representative shall report the CO₂ mass emissions data and heat input data for the CO₂ budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar



quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO_x, and SO₂ provisions.

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO₂ emissions; and

(iii) the CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

Condition 97: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 251.6 (d)

Item 97.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 97.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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

Monitoring Frequency: PER DELIVERY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

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

Condition 98: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 251.3 (a)

Item 98.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 98.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor
Parameter Monitored: CARBON DIOXIDE

New York State Department of Environmental Conservation

Permit ID: 3-1326-00275/00009

Facility DEC ID: 3132600275



Upper Permit Limit: 120 pounds per million Btus
Monitoring Frequency: CONTINUOUS
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 99: Compliance Demonstration
Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement: 6 NYCRR 251.3 (a)

Item 99.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 99.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 120 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

Condition 100: Compliance Demonstration



Effective between the dates of 02/03/2016 and 02/02/2021

Applicable State Requirement:6 NYCRR 251.3 (a)

Item 100.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 100.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 120 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2016.

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

