



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-0122-00044/00014
Effective Date: 10/22/2018 Expiration Date: 10/21/2023

Permit Issued To: PSEG POWER NEW YORK LLC
RTE 144
GLENMONT, NY 12077

Facility: BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077

Contact: Joseph Walz III
PSEG Power New York LLC
PO Box 309
Glenmont, NY 12077-0309

Description:
Renewal of an ATV for a combined cycle power plant, consisting of three combustion generating turbines burning pipeline quality natural gas and low sulfur distillate oil with supplementary-fired HRSGs, a steam turbine generator, a pipeline quality natural gas-fired package boiler, and exempt activities. The plant has a nominal generating capacity of 800 MW. There is a separate but related AT4 permit that is concurrently being renewed under separate cover.

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: KATE F KORNAK
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

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 4 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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



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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 4 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 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: PSEG POWER NEW YORK LLC
RTE 144
GLENMONT, NY 12077

Facility: BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date: 10/22/2018

Permit Expiration Date: 10/21/2023



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 Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4: Compliance Certification
- 23 6 NYCRR 201-6.4: Compliance Certification
- 24 6 NYCRR 201-6.4: Compliance Certification
- 25 6 NYCRR 201-6.4 (a): Compliance Certification
- 26 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 27 6 NYCRR 201-7.1: Facility Permissible Emissions
- 28 6 NYCRR 202-1.1: Compliance Certification
- 29 6 NYCRR 202-1.3: Acceptable procedures
- 30 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 31 6 NYCRR 202-1.3: Alternate test methods
- 32 6 NYCRR 211.1: Air pollution prohibited
- 33 6 NYCRR 225-1.2 (h): Compliance Certification
- 34 6 NYCRR 225-1.6 (d): Record Availability
- 35 6 NYCRR 227-1.3 (a): Compliance Certification
- 36 40CFR 52.21, Subpart A: Compliance Certification
- 37 40CFR 52.21, Subpart A: Compliance Certification
- 38 40CFR 52.21, Subpart A: Compliance Certification
- 39 40CFR 52.21, Subpart A: Compliance Certification
- 40 40CFR 52.21, Subpart A: Compliance Certification
- 41 40CFR 52.21, Subpart A: Compliance Certification
- 42 40CFR 52.21, Subpart A: Compliance Certification
- 43 40CFR 52.21, Subpart A: Compliance Certification



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- 44 40CFR 52.21, Subpart A: Compliance Certification
- 45 40CFR 52.21, Subpart A: Compliance Certification
- 46 40CFR 52.21, Subpart A: Compliance Certification
- 47 40CFR 52.21, Subpart A: Compliance Certification
- 48 40CFR 52.21, Subpart A: Compliance Certification
- 49 40CFR 52.21, Subpart A: Compliance Certification
- 50 40CFR 52.21, Subpart A: Compliance Certification
- 51 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 52 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 53 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 54 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 55 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 56 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 57 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 58 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and
Maintenance Requirements
- 59 40CFR 60.12, NSPS Subpart A: Circumvention.
- 60 40CFR 60.13(d), NSPS Subpart A: Monitoring Requirements
- 61 40CFR 60.14, NSPS Subpart A: Modifications.
- 62 40CFR 60.15, NSPS Subpart A: Reconstruction
- 63 40CFR 60.334(c), NSPS Subpart GG: Compliance Certification
- 64 40CFR 63, Subpart ZZZZ: Applicability
- 65 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 66 40CFR 75.10(a), Subpart B: Compliance Certification
- 67 40CFR 75.10(d), Subpart B: Compliance Certification
- 68 40 CFR Part 97: Federal Cross-State Air Pollution Regulation (CSAPR)

Emission Unit Level

- 69 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 70 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00005,Proc=P51

- 71 6 NYCRR 227-2.4 (d): Compliance Certification
- 72 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=U-00010

- 73 6 NYCRR Subpart 201-6: Compliance Certification
- 74 6 NYCRR 201-6.4: Compliance Certification
- 75 6 NYCRR 201-6.5 (a): Compliance Certification
- 76 6 NYCRR 201-6.5 (a): Compliance Certification
- 77 6 NYCRR 201-6.5 (a): Compliance Certification
- *78 6 NYCRR 201-7.1: Capping Monitoring Condition
- *79 6 NYCRR 201-7.1: Capping Monitoring Condition
- *80 6 NYCRR 201-7.1: Capping Monitoring Condition
- *81 6 NYCRR 201-7.1: Capping Monitoring Condition
- *82 6 NYCRR 201-7.1: Capping Monitoring Condition
- 83 6 NYCRR 231-11.2 (c): Compliance Certification
- 84 40CFR 60.46(b), NSPS Subpart D: Compliance Certification
- 85 40CFR 60.332(a)(1), NSPS Subpart GG: Compliance Certification
- 86 40CFR 60.333(b), NSPS Subpart GG: Compliance Certification
- 87 40CFR 60.333(b), NSPS Subpart GG: Compliance Certification
- 88 40CFR 60.334(b), NSPS Subpart GG: CEMS
- 89 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification



- 90 40CFR 60.334(j), NSPS Subpart GG: Compliance Certification
- 91 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting

EU=U-00010,Proc=CT1

- 92 6 NYCRR 201-6.4: Compliance Certification
- 93 6 NYCRR 201-6.4: Compliance Certification
- 94 6 NYCRR 201-6.4: Compliance Certification
- 95 6 NYCRR 201-6.4: Compliance Certification
- 96 6 NYCRR 201-6.4: Compliance Certification

EU=U-00010,Proc=CT2

- 97 6 NYCRR 201-6.4: Compliance Certification
- 98 6 NYCRR 201-6.4: Compliance Certification
- 99 6 NYCRR 201-6.4: Compliance Certification
- 100 6 NYCRR 201-6.4: Compliance Certification
- 101 6 NYCRR 201-6.4: Compliance Certification
- 102 6 NYCRR 201-6.4: Compliance Certification
- 103 6 NYCRR 201-6.4: Compliance Certification

EU=U-00010,Proc=CT3

- 104 6 NYCRR 201-6.4: Compliance Certification
- 105 6 NYCRR 201-6.4: Compliance Certification
- 106 6 NYCRR 201-6.4: Compliance Certification
- 107 6 NYCRR 201-6.4: Compliance Certification
- 108 6 NYCRR 201-6.4: Compliance Certification

EU=U-00010,Proc=CT4

- 109 6 NYCRR 201-6.4: Compliance Certification
- 110 6 NYCRR 201-6.4: Compliance Certification
- 111 6 NYCRR 201-6.4: Compliance Certification
- 112 6 NYCRR 201-6.4: Compliance Certification
- 113 6 NYCRR 201-6.4: Compliance Certification
- 114 6 NYCRR 201-6.4: Compliance Certification
- 115 6 NYCRR 201-6.4: Compliance Certification

EU=U-00010,Proc=CT5

- 116 6 NYCRR 201-6.5 (a): Compliance Certification
- 117 6 NYCRR 201-6.5 (a): Compliance Certification
- 118 6 NYCRR 201-6.5 (a): Compliance Certification
- 119 6 NYCRR 201-6.5 (a): Compliance Certification

EU=U-00010,Proc=CT6

- 120 6 NYCRR 201-6.5 (a): Compliance Certification
- 121 6 NYCRR 201-6.5 (a): Compliance Certification
- 122 6 NYCRR 201-6.5 (a): Compliance Certification
- 123 6 NYCRR 201-6.5 (a): Compliance Certification

EU=U-00010,Proc=CT7

- 124 6 NYCRR 201-6.5 (a): Compliance Certification
- 125 6 NYCRR 201-6.5 (a): Compliance Certification

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EU=U-00010,Proc=CT8

- 126 6 NYCRR 201-6.4: Compliance Certification
- 127 6 NYCRR 201-6.5 (a): Compliance Certification

EU=U-00010,Proc=CT9

- 128 6 NYCRR 201-6.4: Compliance Certification
- 129 6 NYCRR 201-6.5 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 130 ECL 19-0301: Contaminant List
- 131 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 132 6 NYCRR 211.2: Visible Emissions Limited
- 133 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 134 6 NYCRR 242-1.5: Compliance Demonstration
- 135 6 NYCRR 242-1.5: Compliance Demonstration

Emission Unit Level

EU=U-00010

- 136 6 NYCRR Subpart 242-8: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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



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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

**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 10/22/2018 and 10/21/2023**

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

New York State Department of Environmental Conservation

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

Condition 2: Fees
Effective between the dates of 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,



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

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

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

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

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

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



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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 6: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

NYSDEC

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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 1/30/2019.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 8: Recordkeeping requirements
Effective between the dates of 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023



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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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.



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Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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 10/22/2018 and 10/21/2023

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;

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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 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Emission Unit Definition
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00005

Emission Unit Description:

Unit U-00005 is a package boiler firing only pipeline quality natural gas with a design natural gas firing rate of 63,300 standard cubic feet per minute (SCFM) and a maximum heat input capacity of 64.883 million Btu per hour (MMBtu/hr) based on a natural gas heat content of 1025 Btu per cubic foot (Btu/cf) at the higher heating value (HHV). As of July 1, 2014 the package boiler burner controls have been modified to permanently restrict the unit heat input capacity to less than or equal to 25 MMBTU/hr.

Building(s): 1

Item 21.2:

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

Emission Unit: U-00010

Emission Unit Description:

This emission unit consists of three power trains (CTURB2, CTURB4 and CTURB) and ancillary equipment. Each power train consists of a General Electric Frame 7FA combustion turbine generator (CTG) and a supplementary fired heat recovery steam turbine generator (HRSG). The CTG will fire pipeline quality natural gas; low sulfur fuel oil (as defined in 40 CFR §72.2) will be the secondary fuel. The HRSG duct burners will fire only pipeline quality natural gas.

Building(s): CTG HRSG

Item 21.3:

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

Emission Unit: U-00015

Emission Unit Description:

This emission unit consists of a Marley 12-cell plume abatement mechanical draft cooling tower (20 degrees F/85% RH design point) with 99.9995% efficient drift eliminators.

Building(s): WCTOWER

Item 21.4:

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

Emission Unit: U-00020

Emission Unit Description:

This emission unit consists of a John Deere Model 6081H diesel-powered fire pump engine. The engine will use low sulfur (0.05% or less) fuel oil.

Building(s): FPBLDG

Condition 22: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Process: CT1

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

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CAS No: 000630-08-0 CARBON MONOXIDE

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide (CO) emissions from each combustion turbine generator to 3 ppmvd @ 15% O₂ while firing pipeline quality natural gas under steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a continuous emission monitor.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 3.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 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 1/30/2019.

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

Condition 23: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 23.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Process: CT1

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide (CO) emissions from each combustion turbine generator to 13.7 lb/hr while firing pipeline quality natural gas under steady state conditions. Emissions shall be monitored and



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recorded on a continuous basis with a continuous emission monitor.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C
Upper Permit Limit: 13.7 pounds per hour
Reference Test Method: 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 1/30/2019.
Subsequent reports are due every 3 calendar month(s).

Condition 24: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 24.1:

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

Emission Unit: U-00010
Process: CT2

Emission Unit: U-00010
Process: CT4

Emission Unit: U-00010
Process: CT6

Emission Unit: U-00010
Process: CT8

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

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not fire fuel oil (as defined in 40 CFR 72.2) in the gas turbines with a sulfur content greater than 0.0015 percent by weight. The facility shall retain fuel supplier certifications from each shipment of fuel oil received. Certifications shall be available for inspection by or submitted to the regulatory agency as required.

Alternate operating scenario (AOS)



This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: 40 CFR PART 75, APPENDIX D

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 25: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

Item 25.2:

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

Emissions shall be calculated monthly based on monitored circulating rate, as built drift elimination efficiency, and TDS/TSS concentration in circulating water. A 12 month rolling total emission rate shall be computed based on the monthly calculated rates.

Manufacturer Name/Model Number: 9 CELL WMDCT

Parameter Monitored: WATER

Upper Permit Limit: 175,000 gallons per minute

Reference Test Method: SEE DESCRIPTION

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 26: Progress Reports Due Semiannually Effective between the dates of 10/22/2018 and 10/21/2023

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: Facility Permissible Emissions Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 PTE: 453,501 pounds per year Name: CARBON MONOXIDE

CAS No: 007446-09-5 PTE: 629,703 pounds per year

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Name: SULFUR DIOXIDE

CAS No: 007664-93-9

PTE: 244,400 pounds per year

Name: SULFURIC ACID

CAS No: 0NY210-00-0

PTE: 916,662 pounds per year

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

PTE: 114,094 pounds per year

Name: VOC

Condition 28: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each General Electric Frame 7FA combustion turbine generator (CTG) shall be tested once every third permit term for non-CEM monitored emissions. The first CTG to be tested was CTURB (Unit #3), the next/current one will CTURB2 (Unit #1) and the next permit term (REN series 3) will be CTUR4 (Unit #2).

If the CTG for the specified permit term fails any part of the performance test, then the additional two units will have to be tested during that permit term as well. After all the units have been tested once, the schedule will repeat for subsequent permit terms.

The CTGs not being performance tested during the permit term shall prove compliance through the current annual RATA testing for CEM monitored emissions.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 29: Acceptable procedures
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 202-1.3



Item 29.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 30: Acceptable procedures - Stack test report submittal
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 30.1:

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 31: Alternate test methods
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 31.1:

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.

Condition 32: Air pollution prohibited
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 32.1:

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 33: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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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 34: Record Availability
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 225-1.6 (d)

Item 34.1: Facility owners required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the Department.

Condition 35: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 35.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00005

Emission Unit: U-00010

Emission Unit: U-00020

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) the results of each observation must be recorded in a bound logbook or other format acceptable to the department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) if the operator observed any visible emissions (other than steam - see below) two consecutive days, then the method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the method 9 analysis must be recorded in the logbook. The operator must contact the regional air pollution control engineer with one (1) business day of performing the method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the department for acceptance.

****note**** steam plumed generally form after leaving the top of the stack (this is known as a detached plume). The distance between the top of the stack and the beginning of the detached plume may vary, however, there is (normally)

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a distinctive distance between the plume and the stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: RM 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 36.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 36.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:
The facility shall limit its Particulate/PM-10 emissions from the combustion turbines and duct burners (emission unit U-00010) and the cooling towers (emission unit U-00015) to 462.0 tons per year on a 12 month rolling average basis.

Emissions from the sources (the gas turbines, duct burners and cooling towers) will be calculated based on stack tests result, engineering estimates and fuel monitoring (as detailed in the PSD application).

Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of all monitoring, sampling, measurement, report, or application.



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Parameter Monitored: PM-10
Upper Permit Limit: 462.0 tons per year
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00010
Process: CT1

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

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 18.8 lb/hr while firing pipeline quality natural gas at greater than or equal to Minimum Load. Emissions shall be verified through stack testing that shall be conducted once every 5 years in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Upper Permit Limit: 18.8 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023



Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 38.1:

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

Emission Unit: U-00010
Process: CT2

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 67.5 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at full operational load. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 67.5 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT



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Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 39: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 82.5 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at greater than or equal to 75% and less than 100% operational load. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated

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using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 82.5 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 40.1:

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

Emission Unit: U-00010
Process: CT4

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/ PM-10 emissions from each unit to 77.4 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator at full operational load and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring,

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testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 77.4 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 41.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00010
Process: CT2

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

Item 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The facility shall limit the PM-10/ Particulate emissions from each combustion turbine generator to 0.034 lb/mmbtu on a HHV basis while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at full operational load. Emissions shall be verified thru stack testing that shall

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be conducted in accordance with an approved protocol.
Limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 0.034 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 42.1:

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

Emission Unit: U-00010
Process: CT1

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



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Monitoring Description:

The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 0.017 lb/mmbtu on a HHV basis while firing pipeline quality natural gas at greater than Minimum Load . Emissions shall be verified through stack testing that shall be conducted once every 5 years in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Upper Permit Limit: 0.017 pounds per million Btus

Reference Test Method: RM-5/RM-201A/RM-202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 43: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/ PM-10 emissions from each combustion turbine generator to 0.080 lb/mmbtu on a HHV basis while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at greater than or equal to Minimum Load. Emissions shall be verified through stack tests that will be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)



This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 44.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00010
Process: CT1

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

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 18.5 lbs/hr



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while firing pipeline quality natural at full operational load. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Upper Permit Limit: 18.5 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 45.1:

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

Emission Unit: U-00010
Process: CT1

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/PM-10 emissions from each combustion turbine generator to 0.011 lbs/mmbtu on a HHV basis while firing pipeline quality natural at full operational load. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Upper Permit Limit: 0.011 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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The initial report is due 1/30/2019.
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Condition 46: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 46.1:

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

Emission Unit: U-00010
Process: CT2

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/ PM-10 emissions from each unit to 0.052 lb/mmbtu on a HHV basis while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator at full operational load and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification

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required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 0.052 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 47: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the Particulate/ PM-10 emissions from each unit to 0.038 lb/mmBtu on a HHV basis while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator at full operational load and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion

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turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 0.038 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 48.1:

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

Emission Unit: U-00010
Process: CT3

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The facility shall limit the Particulate/PM-10 emissions from each unit to 0.012 lb/mmbtu on a HHV basis while firing pipeline quality natural gas at full load in the combustion turbine generator and the duct burner. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. The limit is based on the average of three tests.



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Upper Permit Limit: 0.012 pounds per million Btus
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 49.1:

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

Emission Unit: U-00010
Process: CT3

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Particulate/PM-10 emissions from each unit to 19.9 lb/hr while firing pipeline quality natural gas at full load in the combustion turbine generator and the duct burner. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Upper Permit Limit: 19.9 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023



Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 50.1:

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

Emission Unit: U-00010
Process: CT2

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the PM-10/ Particulate emissions from each combustion turbine generator to 99.7 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at greater than or equal to Minimum Load . Emissions shall be verified through stack testing that will be conducted in accordance with an approved stack test protocol. The limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit u-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 99.7 pounds per hour
Reference Test Method: RM-5/RM-201A/RM-202

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Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 51: EPA Region 2 address.
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 51.1:

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 52: Recordkeeping requirements.
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 52.1:

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 53: Excess emissions report.
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 53.1:

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



Applicable Federal Requirement:40CFR 60.11(d), NSPS Subpart A

Item 58.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Condition 59: Circumvention.

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 59.1:

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

Condition 60: Monitoring Requirements

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.13(d), NSPS Subpart A

Item 60.1: Owners and operators of all continuous emission monitoring systems installed in accordance with the provisions of this part shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in appendix B. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified. For continuous monitoring systems measuring opacity of emissions, the optical surfaces exposed to the effluent gases shall be cleaned prior to performing the zero and span drift adjustments except that for systems using automatic zero adjustments. The optical surfaces shall be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.

Condition 61: Modifications.

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 61.1:

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



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Condition 62: Reconstruction
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 62.1:

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

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

Condition 63: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 63.1:

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

Emission Unit: U-00010
Process: CT1

Emission Unit: U-00010
Process: CT3

Emission Unit: U-00010
Process: CT5

Emission Unit: U-00010
Process: CT7

Item 63.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which does not use steam or water injection to control NOX emissions, the owner or operator may, for purposes of determining excess emissions, use a CEMS that meets the requirements of paragraph (b) of 40 CFR 60.334. Also, if the owner or operator has previously submitted and received EPA or local permitting authority approval of a petition for an alternative procedure of continuously monitoring compliance with the applicable NOX emission limit under §60.332, that approved procedure may continue to be used, even if it deviates from paragraph (a) of 40 CFR 60.334.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 64: Applicability
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 64.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 65: Compliance and Enforcement
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 65.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.



Condition 66: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 40CFR 75.10(a), Subpart B

Item 66.1:

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

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000124-38-9	CARBON DIOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall measure all SO₂, NO_x, and CO₂ emissions for each affected unit as follows:

(1) the owner or operator shall install, certify, operate, and maintain, in accordance with the requirements of this part, a SO₂ CEMS and a flow monitoring system with the automated data acquisition and handling system for measuring and recording SO₂ concentration (in ppm), volumetric gas flow (in scfh), and SO₂ mass emissions (in lb/hr) discharged to the atmosphere, except as provided in §§75.11 and 75.16 and Subpart E of this part. Per §75.11(d)(2), the owner or operator of an affected gas-fired and oil-fired unit, as defined in §72.2, may estimate hourly SO₂ mass emissions (in lb/hr) using the applicable procedures specified in Appendix D to Part 75 in lieu of installing, certifying, operating, and maintaining a SO₂ CEMS and flow monitor.

(2) the owner or operator shall install, certify, operate, and maintain, in accordance with the requirements of this part, a NO_x CEMS (consisting of a NO_x pollutant concentration monitor and an O₂ or CO₂ diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NO_x concentration (in ppm), O₂ or CO₂ concentration (in percent O₂ or CO₂) and NO_x emission rate (in lb/mm btu) discharged to the atmosphere. The owner or operator shall account for total NO_x emissions, both NO and NO₂, either by monitoring for both NO and NO₂ or by monitoring for NO only and adjusting the emissions data to account for NO₂;



(3) the owner or operator shall install, certify, operate, and maintain, in accordance with the requirements of this part, a CO₂ CEMS and a flow monitoring system with the automated data acquisition and handling system for measuring and recording CO₂ concentration (in ppm or percent), volumetric gas flow (in scfh), and CO₂ mass emissions (in tons/hr) discharged to the atmosphere. Per §75.13(b) and section 2.3 Of 40 CFR 75, Appendix G, the owner or operator of an affected gas-fired or oil-fired unit, as defined in §72.2, may estimate hourly CO₂ mass emissions (in tons/hr) using equation G-4 in Appendix G to Part 75 in lieu of installing, certifying, operating, and maintaining a CO₂ CEMS and flow monitor.

Per §75.14(c), the owner or operator of an affected unit that qualifies as gas-fired, as defined in §72.2 of this part, is exempt from the opacity monitoring requirements of this part.

Per §75.14(d), the owner or operator of an affected diesel-fired unit, as defined in §72.2 of this part, is exempt from the opacity monitoring requirements of this part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 67: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 75.10(d), Subpart B

Item 67.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Primary equipment hourly operating requirements. The owner or operator shall ensure that all continuous emission and opacity monitoring systems required by this part are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any



fuel except as provided in §75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to §75.21 and appendix B of this part, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to §75.20. The owner or operator shall also ensure, subject to the exceptions above in this paragraph, that all continuous opacity monitoring systems required by this part are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal, State, or local regulation, or permit. The owner or operator shall ensure that the following requirements are met:

(1) The owner or operator shall ensure that each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all SO₂ concentrations, volumetric flow, SO₂ mass emissions, SO₂ emission rate in lb/mmBtu (if applicable), CO₂ concentration, O₂ concentration, CO₂ mass emissions (if applicable), NO_x concentration, and NO_x emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to §75.21 and appendix B of this part, backups of data from the data acquisition and handling system, or recertification, pursuant to §75.20. The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

(2) The owner or operator shall ensure that each continuous opacity monitoring system is capable of completing a minimum of one cycle of sampling and analyzing for each successive 10-sec period and one cycle of data recording for each successive 6-min period. The owner or operator shall reduce all opacity data to 6-min averages calculated in accordance with the provisions of part 51, appendix M of this chapter, except where the applicable State implementation plan or operating permit requires a different averaging period, in which case the

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State requirement shall satisfy this Acid Rain Program requirement.

(3) Failure of an SO₂, CO₂ or O₂ pollutant concentration monitor, flow monitor, or NOX CEMS, to acquire the minimum number of data points for calculation of an hourly average in paragraph (d)(1) of this section, shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. An hourly average NOX or SO₂ emission rate in lb/mmBtu is valid only if the minimum number of data points are acquired by both the pollutant concentration monitor (NOX or SO₂) and the diluent monitor (CO₂ or O₂). Except for SO₂ emission rate data in lb/mmBtu, if a valid hour of data is not obtained, the owner or operator shall estimate and record emission or flow data for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in subpart D of this part.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

**Condition 68: Federal Cross-State Air Pollution Regulation (CSAPR)
Effective between the dates of 10/22/2018 and 10/21/2023**

Applicable Federal Requirement:40 CFR Part 97

Item 68.1: This facility is subject to the CSAPR requirements found in 40 CFR Part 97.

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

**Condition 69: Emission Point Definition By Emission Unit
Effective between the dates of 10/22/2018 and 10/21/2023**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 69.1:

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

Emission Unit: U-00005

Emission Point: 00005

Height (ft.): 185

Diameter (in.): 42

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NYTMN (km.): 4716.524 NYTME (km.): 601.433 Building: 1

Item 69.2:

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

Emission Unit: U-00010

Emission Point: ST001

Height (ft.): 248

Diameter (in.): 228

NYTMN (km.): 4716.478 NYTME (km.): 601.363 Building: CTG HRSG

Emission Point: ST002

Height (ft.): 248

Diameter (in.): 228

NYTMN (km.): 4716.433 NYTME (km.): 601.375 Building: CTG HRSG

Emission Point: ST003

Height (ft.): 248

Diameter (in.): 228

NYTMN (km.): 4716.39 NYTME (km.): 601.383 Building: CTG HRSG

Item 69.3:

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

Emission Unit: U-00015

Emission Point: ST006

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.568 NYTME (km.): 601.265 Building: WCTOWER

Emission Point: ST007

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.347 NYTME (km.): 601.27 Building: WCTOWER

Emission Point: ST008

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.334 NYTME (km.): 601.273 Building: WCTOWER

Emission Point: ST009

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.323 NYTME (km.): 601.275 Building: WCTOWER

Emission Point: ST010

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.311 NYTME (km.): 601.278 Building: WCTOWER

Emission Point: ST011

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.3 NYTME (km.): 601.281 Building: WCTOWER

Emission Point: ST012

Height (ft.): 70

Diameter (in.): 384

NYTMN (km.): 4716.288 NYTME (km.): 601.283 Building: WCTOWER

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Emission Point: ST013
Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.277 NYTME (km.): 601.285 Building: WCTOWER

Emission Point: ST014
Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.264 NYTME (km.): 601.288 Building: WCTOWER

Emission Point: ST015
Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.253 NYTME (km.): 601.29 Building: WCTOWER

Emission Point: ST016
Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.241 NYTME (km.): 601.294 Building: WCTOWER

Emission Point: ST017
Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.23 NYTME (km.): 601.296 Building: WCTOWER

Item 69.4:

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

Emission Unit: U-00020

Emission Point: ST018
Height (ft.): 12 Diameter (in.): 6
NYTMN (km.): 4716.59 NYTME (km.): 601.318 Building: FPBLDG

Condition 70: Process Definition By Emission Unit
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 70.1:

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

Emission Unit: U-00005
Process: P51 Source Classification Code: 1-02-006-02

Process Description:
P51 designates burning natural gas in the package boiler.
There is one burner in the boiler. As of July 1, 2014
the maximum allowable heat input to the boiler will be 25
MMBTU/hr.

Emission Source/Control: S0005 - Combustion
Design Capacity: 64.88 million Btu per hour

Item 70.2:

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

Emission Unit: U-00010



Process: AG1 Source Classification Code: 2-01-002-01

Process Description:

Continuous operation of all three (3) CTGs on natural gas at a minimum load while utilizing the GE Advanced Gas Process (AGP) Turndown Software ("Minimum Load").

No changes to the concentration or mass emission limits in the current Title V permit are necessary for the CTGs to run the Minimum Load with AGP Turndown Software while firing natural gas.

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: DBURN - Combustion
Design Capacity: 103.5 million Btu per hour

Emission Source/Control: 00DLN - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Item 70.3:

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

Emission Unit: U-00010

Process: AG2 Source Classification Code: 2-01-002-01

Process Description:

Continuous operation of all three (3) CTGs on low sulfur fuel oil (as defined in 40 CFR §72.2) while utilizing Minimum Load with AGP Turndown Software. No changes to the concentration or mass emission limits in the current Title V permit are necessary for the CTGs to run the Minimum Load with AGP Turndown Software while firing low sulfur fuel oil.

This Process involving operation of the CTGs on fuel oil is designated as an AOS for operational flexibility as defined by 6 NYCRR Part 201-6.4(f). The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.4 (c) & (e).

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Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: DBURN - Combustion
Design Capacity: 103.5 million Btu per hour

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Emission Source/Control: WATRI - Control
Control Type: WATER INJECTION

Item 70.4:

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

Emission Unit: U-00010

Process: CT1

Source Classification Code: 2-01-002-01

Process Description:

Combustion turbine generator operating on pipeline quality natural gas at steady state conditions without supplementary duct firing. Steady state is defined as those periods when the combustion turbine generator is operating in mode 6Q as indicated by the GE Mark VI distributed control system and the combustion turbine generator is not operating in start-up, shutdown, or fuel switching mode.

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: 00DLN - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Item 70.5:

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

Emission Unit: U-00010

Process: CT2

Source Classification Code: 2-01-001-01

Process Description:

Combustion turbine generator operating on low sulfur fuel oil (as defined in 40 CFR §72.2) at steady state conditions without supplementary duct firing. Steady state is defined as those periods when the combustion turbine generator is operating at 1:1 fuel to water ratio plus 15 minutes and the temperature of the heat recovery steam generator (HRSG) is at 550 degrees Fahrenheit or greater as indicated by the GE Mark VI Distributed Control System and the combustion turbine generator is not operating in start-up, shutdown, or fuel switching mode.

This Process involving operation of the combustion turbine generators on fuel oil is designated as an Alternate Operating Scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the Permit for this AOS Process are deferred until the Process is used. If any of the three combustion turbines comprising Emission Unit U-00010 operates on fuel oil using this Process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.5(c) & (e).

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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



Emission Source/Control: WATRI - Control
Control Type: WATER INJECTION

Item 70.6:

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

Emission Unit: U-00010
Process: CT3 Source Classification Code: 2-01-002-01

Process Description:

Pipeline quality natural gas burned in the combustion turbine generators with pipeline quality natural gas fired in the duct burners. This operating condition is limited to periods when the combustion turbine is operating at full load.

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: DBURN - Combustion
Design Capacity: 103.5 million Btu per hour

Emission Source/Control: 00DLN - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Item 70.7:

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

Emission Unit: U-00010
Process: CT4 Source Classification Code: 2-01-001-01

Process Description:

Low sulfur fuel oil (as defined in 40 CFR §72.2) burned in the combustion turbine generators with pipeline quality natural gas fired in the duct burners. This operating condition is limited to periods when the combustion turbine is operating at full load.

This Process involving operation of the combustion turbine generators on fuel oil is designated as an Alternate Operating Scenario (AOS) for operational flexibility as

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defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the Permit for this AOS Process are deferred until the Process is used. If any of the three combustion turbines comprising Emission Unit U-00010 operates on fuel oil using this Process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.5(c) & (e).

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: DBURN - Combustion
Design Capacity: 103.5 million Btu per hour

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Emission Source/Control: WATRI - Control
Control Type: WATER INJECTION

Item 70.8:

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

Emission Unit: U-00010

Process: CT5

Source Classification Code: 2-01-002-01

Process Description:

Start-up of the combustion turbine on pipeline quality natural gas. Start-up on pipeline quality natural gas is defined as the period that begins when the combustion turbine generator is first fired with fuel and ends when the combustion turbine generator begins operating in mode 6Q plus 60 minutes not to exceed 6 hours. Extended startups to perform combustion tuning shall not exceed 12 hours after Mode 6Q is achieved and may occur a maximum of 4 times per calendar year per combustion turbine generator.

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Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

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

Item 70.9:

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

Emission Unit: U-00010

Process: CT6

Source Classification Code: 2-01-001-01

Process Description:

Start-up of the combustion turbine on low sulfur fuel oil (fuel oil is defined in 40 CFR §72.2). Startup on low sulfur fuel oil is defined as the period that begins when the combustion turbine generator is first fired with fuel and ends when the combustion turbine generator begins operating at a 1:1 fuel-to-water ratio plus 60 minutes, not to exceed 6 hours.

This Process involving operation of the combustion turbine generators on fuel oil is designated as an Alternate Operating Scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the Permit for this AOS Process are deferred until the Process is used. If any of the three combustion turbines comprising Emission Unit U-00010 operates on fuel oil using this Process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.5(c) & (e).

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Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

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

Item 70.10:

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

Emission Unit: U-00010
Process: CT7 Source Classification Code: 2-01-002-09
Process Description:

Shutdown of the combustion turbine on pipeline quality natural gas. Shutdown on pipeline quality natural gas is defined as the period of time from the initial lowering of combustion turbine output below Minimum Load with the intent to cease generation of electrical power output and concludes with the cessation of combustion turbine operation, not to exceed 120 minutes.

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

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

Item 70.11:

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

Emission Unit: U-00010
Process: CT8 Source Classification Code: 2-01-001-01
Process Description:

Shutdown of the combustion turbine on low sulfur fuel oil (as defined in 40 CFR §72.2). Shutdown on fuel oil is defined as the period of time from the initial lowering of combustion turbine output below Minimum Load with the

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intent to cease generation of electrical power output and concludes with the cessation of combustion turbine operation, not to exceed 120 minutes.

This Process involving operation of the combustion turbine generators on fuel oil is designated as an Alternate Operating Scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the Permit for this AOS Process are deferred until the Process is used. If any of the three combustion turbines comprising Emission Unit U-00010 operates on fuel oil using this Process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.5(c) & (e).

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

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

Item 70.12:

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

Emission Unit: U-00010

Process: CT9

Source Classification Code: 2-01-002-01

Process Description:

Operation of the combustion turbine during fuel switching from firing pipeline quality natural gas to low sulfur fuel oil (as defined in 40 CFR §72.2) or from fuel oil to pipeline quality natural gas. Fuel transfer is defined as the period of time from initiation of the fuel transfer process in the combustion turbine generator until the cessation of the process, not to exceed 120 minutes.



This Process involving operation of the combustion turbine generators on fuel oil is designated as an Alternate Operating Scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the Permit for this AOS Process are deferred until the Process is used. If any of the three combustion turbines comprising Emission Unit U-00010 operates on fuel oil using this Process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this Process) will be indicated in the Semi Annual Monitoring reports and the Annual Compliance Certification required by 6 NYCRR 201-6.5(c) & (e).

Emission Source/Control: CTUR2 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

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

Item 70.13:

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

Emission Unit: U-00010
Process: OF3
Source Classification Code: 2-01-002-01
Process Description:

Continuous operation of all three (3) CTGs while utilizing GE's OpFlex® Advantage Peak Fire software ("peak mode") for each CTG. Peak mode is utilized when the CTGs are operating on natural gas at ambient temperatures of 59°F or greater and power demand warrants its use.

Each of the three (3) CTG may utilize peak mode for a maximum of 300 hours per year. No changes to the concentration or mass emission limits in the current Title V permit are necessary for the CTGs to run in peak mode.

Emission Source/Control: CTUR2 - Combustion

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Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTUR4 - Combustion
Design Capacity: 2,107.9 million Btu per hour

Emission Source/Control: CTURB - Combustion
Design Capacity: 2,108 million Btu per hour

Emission Source/Control: DBURN - Combustion
Design Capacity: 103.5 million Btu per hour

Emission Source/Control: 00DLN - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: 00SCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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

Item 70.14:

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

Emission Unit: U-00015

Process: P71

Source Classification Code: 3-85-882-01

Process Description:

A 12-cell plume abatement mechanical draft cooling tower (20 degrees F / 85% RH design point) with 99.9995% efficient drift eliminators.

Emission Source/Control: DELIM - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: CTOWE - Process
Design Capacity: 175,000 gallons per minute

Item 70.15:

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

Emission Unit: U-00020

Process: FP1

Source Classification Code: 2-02-001-02

Process Description:

Operation of the Diesel Fire Pump operating on low sulfur, No. 2 fuel oil for not more than 500 hours per year. Emission Unit U-00020 is an exempt activity pursuant to 6 NYCRR 201-3.2(c)(6) and 6 NYCRR 200.1(cq); emergency power generating stationary internal combustion engines. The emission unit must comply with the applicable requirements in 40 CFR 63, Subpart ZZZZ for an existing emergency stationary reciprocating internal combustion engine (RICE) at an area source of HAPs.



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Emission Source/Control: DSLFP - Combustion
Design Capacity: 290 horsepower (mechanical)

Condition 71: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005
Process: P51

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Small boilers, small combustion turbines, and small stationary internal combustion engines.

The owner or operator of a small boiler, small combustion turbine, or small stationary internal combustion engine must annually perform a tune-up and maintain, in a permanently bound log book, or other format approved in writing by the department, the following information:

- (1) the date of the last tune-up;
- (2) the name, title and affiliation of the person who made the adjustments; and
- (3) any other information that the department may require.

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 1/30/2019.

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

Condition 72: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005
Process: P51

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Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. As an alternative, the owner or operator of an affected facility that combusts only natural gas may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

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 1/30/2019.

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

Condition 73: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall schedule a performance test (stack test) within 180 days after the use of low sulfur fuel oil (as defined in 40 CFR §72.2). The facility shall inform the agency at least 30 days previous to the usage of this fuel.

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 1/30/2019.

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

Condition 74: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

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Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its ammonia slip emissions to 5 ppmvd @ 15% O₂ while firing natural gas or low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generators at steady state conditions and with or without supplementary duct firing. A surrogate system for direct ammonia slip monitoring continuously monitors oxides of nitrogen before and after the SCR and continuously monitors the ammonia feed rate and calculates ammonia slip concentration after the SCR.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

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

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 75: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The following operational restrictions apply when firing low sulfur fuel oil (as defined in 40 CFR §72.2) in the CTGs:

A) operation of one CTG at Minimum Load for 24 hrs/day, with the other two CTGs off line

B) operation of any one CTG (referred to as 1 CTG) at Minimum Load load for eight hours per day and 75% load or higher for the balance of the day: operation of the other two CTGs at 75% load or higher for up to 17 hours per day and off line during periods when CTG1 is operating at Minimum Load (except for one hour of overlap).

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). The monitoring, testing, recordkeeping and reporting requirements specified in this condition are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then the required monitoring, testing, recordkeeping and reporting must be completed as specified.

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 1/30/2019.

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

Condition 76: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The duct burners will only combust natural gas fuel.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 77: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Duct firing will occur only when the CTG is operating @ 100% (full) load, as modeled for the air state facility application.

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 1/30/2019.

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

Condition 78: Capping Monitoring Condition
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 78.1:

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

40 CFR 52.21

Item 78.2:

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

Item 78.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart,

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Item 79.1:

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

40 CFR 52.21

Item 79.2:

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

Item 79.3:

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

Item 79.4:

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

Item 79.5:

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

Item 79.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 79.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its CO emissions from the combustion turbines and duct burners (emission points ST001, ST002, and ST003) to 219.0 tons per year on a 12-month rolling total basis. Refer to the submitted application calculations for the method of determining the



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monthly total CO emissions from these units.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 219 tons per year

Reference Test Method: SEE DESCRIPTION

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 80: Capping Monitoring Condition
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 80.1:

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

40 CFR 52.21

Item 80.2:

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

Item 80.3:

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

Item 80.4:

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

Item 80.5:

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

Item 80.6:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 80.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its sulfuric acid emissions from the combustion turbines and duct burners (emission points ST001, ST002, and ST003) to 121.3 tons per year on a 12-month rolling total basis. Refer to the submitted application calculations for the method of determining the monthly total sulfuric acid emissions from these units.

Manufacturer Name/Model Number: SEE DESCRIPTION

Upper Permit Limit: 121.3 tons per year

Reference Test Method: SEE DESCRIPTION

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 81: Capping Monitoring Condition

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 81.1:

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

40 CFR 52.21

Item 81.2:

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

Item 81.3:

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

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Item 81.4:

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

Item 81.5:

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

Item 81.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 81.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility shall limit its SO₂ emissions from the combustion turbines and duct burners (emission points ST001, ST002, and ST003) to 314.8 tons per year on a 12-month rolling total basis. Refer to the submitted application calculations for the method of determining the monthly total SO₂ emissions from these units. The source has demonstrated net SO₂ emissions less than the PSD significant project threshold and therefore “nets” out of further PSD review.

Parameter Monitored: FUEL

Upper Permit Limit: 314.8 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 82: Capping Monitoring Condition
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Manufacturer Name/Model Number: SEE DESCRIPTION
Upper Permit Limit: 56.3 tons per year
Reference Test Method: SEE DESCRIPTION
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with clause 231-4.1(b)(41)(i)(c) of this Part are added and is less than the applicable significant project threshold, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part and is less than the applicable significant project threshold, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission



unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s); and

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 84: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.46(b), NSPS Subpart D

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



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

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit the NO_x emission rate from the duct burners to 0.20 lb/million BTU and shall demonstrate compliance with this limit by conducting the performance test required under 40 CFR Part 60.46b(f), . The emissions rate (e) of NO_x shall be computed using the following equation:

$$E = esg + (hg/hb)(esg - eg)$$

Where:

E = emissions rate of nox from the duct burner (lb/million btu) heat input

esg = combined effluent emission rate, in lb/million btu heat input using appropriate f-factor as described in method 19

hg= heat input rate to the combustion turbine, in million btu/hour

hb= heat input rate to the duct burner, in million btu/hour

eg= emissions rate from the combustion turbine, in lb/million btu heat input calculated using appropriate f-factor as described in method 19.

Method 7e of appendix a of 40 CFR Part 60 shall be used to determine the NO_x concentrations. Method 3a or 3b of appendix a of 40 CFR Part 60 shall be used to determine oxygen concentration. The owner or operator shall identify and demonstrate to the administrator's satisfaction suitable methods to determine the average hourly heat input rate to the combustion turbine and the average hourly heat input rate to the affected duct burner. Compliance with the emission limit is determined by the three-run average (nominal 1-hour runs) for the performance tests. Compliance with this emission limit was demonstrated during initial performance testing.

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: METHOD 7E

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Condition 85: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.332(a)(1), NSPS Subpart GG

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

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

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The equation $(0.0075 \cdot 14.4)/y$, where y is the actual measured heat rate (in kj/w-hr) during the initial performance test based on the lower heating value of the fuel, is used to determine the applicable limit for this turbine. This applicable requirement will not take into account ISO corrections and will not be adjusted for fuel bound nitrogen content. Compliance with this limit will be demonstrated using CEMS in accordance with 60.334(b). Excess emissions will be in accordance with 60.334(j)(1)(iii) and will be reported as part of the facilities' quarterly excess emissions report.

The nitrogen content of either fuel permitted to be fired in the turbine (natural gas or low sulfur fuel oil (as defined in 40 CFR §72.2)) will not be monitored per 60.334(h)(2) because the facility is not claiming an allowance for fuel bound nitrogen

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 108 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 86: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.333(b), NSPS Subpart GG

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight. The sulfur content of the natural gas fired in the CTGs will not be monitored because the facility will demonstrate that the natural gas it receives meets the definition of natural gas per 60.334(h)(3).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 87: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.333(b), NSPS Subpart GG

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight. The sulfur content of the fuel oil (as defined in 40 CFR §72.2) will be monitored in accordance with 60.334(i). The CTGs have a more restrictive fuel oil

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



sulfur limit contained elsewhere in this permit. Excess emissions under this condition will be reported with the facilities' quarterly excess emissions report.

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). The monitoring, testing, recordkeeping and reporting requirements specified in this condition are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then the required monitoring, testing, recordkeeping and reporting must be completed at the frequency specified.

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 1/30/2019.

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

Condition 88: CEMS

Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 88.1:

This Condition applies to Emission Unit: U-00010

Item 88.2:

The owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NOX emissions may, as an alternative to operating the continuous monitoring system described in paragraph (a) of this section, install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR Part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. If the option to use a CEMS is chosen, the CEMS shall be installed, certified, maintained and operated as specified in 40 CFR 60.334(b)(1), (2) and (3).

Condition 89: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40CFR 60.334(h)(3), NSPS Subpart GG

Item 89.1:

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Facility DEC ID: 4012200044



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions shall be reported for all periods of unit operation, including start-up, shutdown and malfunction. For the purpose of reports required under §60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR 60 Subpart GG-334(j)(1) - (5).

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 1/30/2019.

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

Condition 91: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:40 CFR Part 72

Item 91.1:

This Condition applies to Emission Unit: U-00010

Item 91.2:

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 92: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 92.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each combustion turbine generator to 2.3 lb/hr while firing pipeline quality natural gas. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 2.3 pounds per hour

Reference Test Method: RM-25A OR RM-18

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 93: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each combustion turbine generator to 0.0012 lb/mmbtu while firing pipeline quality natural gas. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 0.0012 pounds per million Btus

Reference Test Method: RM-25A OR RM-18

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



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

Condition 94: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its H₂SO₄ emissions from each combustion turbine generator to 0.7 lb/hr while firing pipeline quality natural gas. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 0.7 pounds per hour

Reference Test Method: RM-8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 95: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each combustion turbine generator to 2 ppmvd @ 15% O₂ while firing pipeline quality natural gas under steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a CEM.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 2 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 96: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

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

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each combustion turbine generator to 14.59 lb/hr while firing pipeline quality natural gas under steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 14.59 pounds per hour

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

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Permit ID: 4-0122-00044/00014

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 97: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each combustion turbine generator to 5.56 lb/hr while firing low sulfur fuel oil (as defined in 40CFR 72.2). Emissions shall be verified through stack testing that shall be conducted in accordance with an approved protocol. Limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 5.56 pounds per hour

Reference Test Method: RM-25A OR RM-18



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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT2

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

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each combustion turbine generator to 0.0029 lb/mmbtu while firing low sulfur fuel oil (as defined in 40 CFR 72.2). Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

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Upper Permit Limit: 0.0029 pounds per million Btus
Reference Test Method: RM-25A OR RM-18
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT2

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its H₂SO₄ emissions from each combustion turbine generator to 48.8 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2). Emissions shall be verified through stack testing that shall be conducted once in accordance with an approved protocol. Limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual

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monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 48.8 pounds per hour
Reference Test Method: METHOD 8A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT2

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

Item 100.2:

Compliance Certification shall include the following monitoring:

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

The facility shall limit its NO_x emissions from each combustion turbine generator to 74.1 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated

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applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS
Upper Permit Limit: 74.1 pounds per hour
Reference Test Method: RM-20
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 3 calendar month(s).

Condition 101: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT2

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

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its CO emissions from each combustion turbine generator to 18.0 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel



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oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS
Upper Permit Limit: 18.0 pounds per hour
Reference Test Method: 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 1/30/2019.
Subsequent reports are due every 3 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT2

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

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NOx emissions from each combustion turbine generator to 9.0 ppmvd @ 15% O2 while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at steady state conditions. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements

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specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 103: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its CO emissions from each combustion turbine generator to 7 ppmvd @ 15% O₂ while firing low sulfur fuel oil (as defined in 40 CFR 72.2) at steady state conditions. Emissions shall be monitored and recorded in a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine

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generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 7.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 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 1/30/2019.

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

Condition 104: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each unit to 3.1 lb/hr while firing pipeline quality natural gas in the combustion turbine generator and the duct burner. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance

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with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 3.1 pounds per hour
Reference Test Method: RM-25A OR RM-18
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT3

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

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each unit to 0.0016 lb/mmbtu while firing pipeline quality natural gas in the combustion turbine generator and the duct burner. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 0.0016 pounds per million Btus
Reference Test Method: RM 25A OR RM-18
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 106: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

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Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its H₂SO₄ emissions from each unit to 0.4 lb/hr while firing pipeline quality natural gas in the combustion turbine generator and the duct burner. Emissions shall be verified through stack testing that shall be conducted once every five years in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Upper Permit Limit: 0.4 pounds per hour

Reference Test Method: RM-8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 107: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

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

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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Condition 109: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

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

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each unit to 75.99 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner. Emissions shall be monitored and recorded on a continuous basis by a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 75.99 pounds per hour

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2019.
Subsequent reports are due every 3 calendar month(s).

Condition 110: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT4

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

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each unit to 6.4 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. Limit is based on the average of three tests

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 6.4 pounds per hour
Reference Test Method: RM-25A OR RM-18

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Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT4

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

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its VOC emissions from each unit to 0.0031 lb/mmbtu while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. Limit is based on the average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification



required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 0.0031 pounds per million Btus
Reference Test Method: RM-25A OR RM-18
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT4

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

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its H₂SO₄ emissions from each unit to 24.9 lb/hr while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner. Emissions shall be verified through stack testing that shall be conducted in accordance with an approved stack test protocol. Limit is based on an average of three tests.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for

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that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Upper Permit Limit: 24.9 pounds per hour

Reference Test Method: RM-8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 113: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its CO emissions from each unit to 5 ppmvd @ 15% O₂ when firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner. Emissions shall be monitored and recorded on a continuous basis by a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred

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until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

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

Reference Test Method: 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 1/30/2019.

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

Condition 114: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its CO emissions from each unit to 25.3 lb/hr when firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner.

Emissions shall be monitored and recorded on a continuous basis by a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine

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generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 25.3 pounds per hour

Reference Test Method: 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 1/30/2019.

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

Condition 115: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement: 6 NYCRR 201-6.4

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

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

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each unit to 9 ppmvd @ 15% O₂ while firing low sulfur fuel oil (as defined in 40 CFR 72.2) in the combustion turbine generator and pipeline quality natural gas in the duct burner.

Alternate operating scenario (AOS)



This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 116: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT5

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide (CO) emissions from each combustion turbine generator while firing pipeline quality natural gas under start-up



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conditions to 1,200 lbs per start-up event (not to exceed 6hr/event). CO emissions during an extended start-up (maximum occurrence - 4 times per year, not exceed 12 hrs/event after Mode 6Q is achieved) on natural gas shall be limited to 2,400 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 2,400 pounds

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 117: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT5

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide (CO) emissions from each combustion turbine generator while firing pipeline quality natural gas under start-up conditions to 1,200 lbs per start-up event (not to exceed 6hr/event). CO emissions during an extended start-up (maximum occurrence - 4 times per year, not exceed 12 hrs/event after Mode 6Q is achieved) on natural gas shall be limited to 2,400 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 1,200 pounds

Reference Test Method: RM-10



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Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT5

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

Item 118.2:

Compliance Certification shall include the following monitoring:

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

The facility shall limit its NOx emissions from each combustion turbine generator while firing pipeline quality natural gas under start-up conditions to 900 lbs per start-up event (not to exceed 6hr/event). NOx emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event after Mode 6Q is achieved) on natural gas shall be limited to 1,800 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS
Upper Permit Limit: 1,800 pounds
Reference Test Method: RM-20
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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Facility DEC ID: 4012200044



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

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT5

Regulated Contaminant(s):

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

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each combustion turbine generator while firing pipeline quality natural gas under start-up conditions to 900 lbs per start-up event (not to exceed 6hr/event). NO_x emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event after Mode 6Q is achieved) on natural gas shall be limited to 1,800 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 900 pounds

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 120: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT6

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide (CO) emissions from each combustion turbine generator while firing low sulfur fuel under start-up conditions to 1200 lbs per start-up event (not to exceed 6hr/event). CO emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event water injection and SCR ammonia injection admission) shall be limited to 2,400 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 2,400 pounds

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 121: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 121.1:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT6

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide emissions from each combustion turbine generator while firing low sulfur fuel under start-up conditions to 1200 lbs per start-up event (not to exceed 6hr/event). CO emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event water injection and SCR ammonia injection admission) shall be limited to 1,200 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 48C

Upper Permit Limit: 1,200 pounds

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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



Condition 122: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT6

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

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each combustion turbine generator while firing low sulfur fuel under start-up conditions to 900 lbs per start-up event (not to exceed 6hr/event). NO_x emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event after water injection and SCR ammonia injection admission) shall be limited to 1,800 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).



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Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 1,800 pounds

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 123: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT6

Regulated Contaminant(s):

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

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NO_x emissions from each combustion turbine generator while firing low sulfur fuel under start-up conditions to 900 lbs per start-up event (not to exceed 6hr/event). NO_x emissions during an extended start-up (maximum occurrence- 4 times per year, not to exceed 12 hrs/event after water injection and SCR ammonia injection admission) shall be limited to 1,800 lbs per event. Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for



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that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS
Upper Permit Limit: 900 pounds
Reference Test Method: RM-20
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
Process: CT7

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide emissions from each combustion turbine generator while firing pipeline quality natural gas, under shut down conditions to 120 lbs per shut down event (not to exceed 120 minutes/event). Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS
Upper Permit Limit: 120 pounds
Reference Test Method: RM-10
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 125: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT7

Regulated Contaminant(s):

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

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NOx emissions from each combustion turbine generator while firing pipeline quality natural gas, under shut down conditions to 90 lbs per shut down event (not to exceed 120 minutes/event). Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 90 pounds

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 126: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Process: CT8

Regulated Contaminant(s):

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

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its NOx emissions from each combustion turbine generator while firing low sulfur fuel under shut down conditions to 90 lbs per shut down event (not to exceed 120 minutes/event). Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 90 pounds

Reference Test Method: RM-20

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 127: Compliance Certification

Effective between the dates of 10/22/2018 and 10/21/2023

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

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT8

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall limit its carbon monoxide emissions from each combustion turbine generator while firing low sulfur fuel under shut down conditions to 120 lbs per shut down event (not to exceed 120 minutes/event). Emissions shall be monitored and recorded on a continuous basis with a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 120 pounds

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 128: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Effective between the dates of 10/22/2018 and 10/21/2023

Applicable Federal Requirement:6 NYCRR 201-6.4

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT9

Regulated Contaminant(s):

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

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions during fuel switching from firing pipeline quality natural gas to low sulfur fuel oil (as defined in 40 CFR §72.2) or from fuel oil to pipeline quality natural gas in the combustion turbines shall be limited to 90 lbs per fuel transfer event. Emissions shall be monitored and recorded on a continuous basis by a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR Part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 90 pounds

Reference Test Method: RM-20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 129: Compliance Certification
Effective between the dates of 10/22/2018 and 10/21/2023

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

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: CT9

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon Monoxide emissions during fuel switching from firing pipeline quality natural gas to low sulfur fuel oil (as defined in 40 CFR §72.2) or from fuel oil to pipeline quality natural gas in the combustion turbines shall be limited to 120 lbs per fuel transfer event. Emissions shall be monitored and recorded on a continuous basis by a CEM system.

Alternate operating scenario (AOS)

This process involving operation of the combustion turbine generators on fuel oil is designated as an alternate operating scenario (AOS) for operational flexibility as defined by 6 NYCRR part 201-6.5(f). All monitoring, testing, recordkeeping and reporting requirements specified in the permit for this AOS process are deferred until the process is used. If any of the three combustion turbines comprising emission unit U-00010 operates on fuel oil using this process, then all required monitoring, testing, recordkeeping and reporting must be completed for that combustion turbine as specified in the associated applicable requirements and compliance conditions. The status of this AOS (i.e. whether the unit has operated using this process) will be indicated in the semi-annual monitoring reports and the annual compliance certification required by 6 NYCRR 201-6.5(c) & (e).

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Manufacturer Name/Model Number: THERMO ENVIRONMENTAL 42CLS

Upper Permit Limit: 120 pounds

Reference Test Method: RM-10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 130: Contaminant List

Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:ECL 19-0301

Item 130.1:

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: 0NY075-00-5
Name: PM-10



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

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

Condition 131: Malfunctions and start-up/shutdown activities
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 131.1:

(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 132: Visible Emissions Limited
Effective between the dates of 10/22/2018 and 10/21/2023



Applicable State Requirement:6 NYCRR 211.2

Item 132.1:

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 133: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:6 NYCRR 242-1.5

Item 133.1:

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 134: Compliance Demonstration
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:6 NYCRR 242-1.5

Item 134.1:

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

Emission Unit: U-00010

Item 134.2:

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 1/30/2019.

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

Condition 135: Compliance Demonstration
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:6 NYCRR 242-1.5

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 135.1:

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

Emission Unit: U-00010

Item 135.2:

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 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

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

Condition 136: Compliance Demonstration
Effective between the dates of 10/22/2018 and 10/21/2023

Applicable State Requirement:6 NYCRR Subpart 242-8

Item 136.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting

(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: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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