

Facility DEC ID: 2630100191

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6301-00191/00003
Effective Date: Expiration Date:

Permit Type: Industrial SPDES - Surface Discharge
Permit ID: 2-6301-00191/00014
Effective Date: Expiration Date:

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 2-6301-00191/00026
Effective Date: Expiration Date:

Permit Type: Water Withdrawal Public
Permit ID: 2-6301-00191/00028
Effective Date: Expiration Date:

Permit Issued To: ASTORIA GAS TURBINE POWER LLC
4401 VICTORY BLVD
STATEN ISLAND, NY 10314

Contact: DAN BEARDSLEY
NRG ASTORIA GAS TURBINE POWER LLC
31-01 20TH AVE
ASTORIA, NY 11105
(203) 979-3335

Facility: ASTORIA GAS TURBINE POWER
31-01 20TH AVE
ASTORIA, NY 11105

Contact: ALLAN FILIPPI
NRG ASTORIA GAS TURBINE POWER LLC
4401 VICTORY BLVD
STATEN ISLAND, NY 10314
(718) 390-2734

Description:

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By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: CHRISTOPHER M HOGAN
 625 BROADWAY
 ALBANY, NY 12233

Authorized Signature: _____ Date: ___ / ___ / ____

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

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- 6 6 Submission of application for permit modification or renewal -
REGION 2 HEADQUARTERS

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DEC GENERAL CONDITIONS
****** General Provisions ******
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

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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: Site-specific greenhouse gas mitigation plan

Applicable State Requirement: ECL 75-0107 (1)

Item 5.1:

Within 120 days of the issuance of this permit, the facility owner or operator shall prepare, and submit to the Department for approval, a site-specific greenhouse gas mitigation plan in accordance with Section 7(2) of the Climate Leadership and Community Protection Act, Chapter 106 of the Laws of 2019. At a minimum, the plan shall propose an acceptable mitigation strategy or strategies for reducing the greenhouse gas emissions generated by and associated with the facility’s operations.

Such strategies may include, but are not limited to: (1) limitations on the amount of fossil fuel fired at the facility (measured on a 12-month rolling total basis); (2) limitations on the facility’s fuel load equivalent hours of operation (measured on a 12-month rolling total basis); (3) a protocol for future alternative fuel testing; (4) a specific schedule for the future transition to alternative fuels; and/or (5) a legally enforceable commitment to cease operations at the facility by a date certain.

For the purposes of this requirement, greenhouse gas emissions include direct and upstream emissions associated with the operation of all fossil fuel fired stationary emission sources at the facility on a potential to emit basis. The plan shall also propose a schedule for the implementation of each mitigation measure identified as feasible in the plan.

The facility owner or operator shall update the plan with each subsequent application for renewal of this permit, or upon request by the Department, whichever is first.

Failure to provide an approvable site-specific greenhouse gas mitigation plan shall be grounds for enforcement action and/or the suspension or revocation of this permit as described in 6 NYCRR Section 201-1.12 and 6 NYCRR Section 621.13.

Condition 6: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

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Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ASTORIA GAS TURBINE POWER LLC
4401 VICTORY BLVD
STATEN ISLAND, NY 10314

Facility: ASTORIA GAS TURBINE POWER
31-01 20TH AVE
ASTORIA, NY 11105

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

Permit Effective Date:

Permit Expiration Date:

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- 24 29 6 NYCRR 231-6.2: Compliance Certification
- 25 30 6 NYCRR 231-6.2: Compliance Certification
- 26 31 6 NYCRR Subpart 231-8: Compliance Certification
- 27 32 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
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 47 49 6 NYCRR Subpart 201-6: Compliance Certification
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 48 51 6 NYCRR Subpart 231-8: Compliance Certification
 49 52 6 NYCRR Subpart 231-8: Compliance Certification
 50 53 6 NYCRR Subpart 231-8: Compliance Certification

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50 54 6 NYCRR Subpart 201-6: Compliance Certification
 51 55 6 NYCRR Subpart 201-6: Compliance Certification
 52 56 6 NYCRR Subpart 201-6: Compliance Certification
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55 60 40CFR 60, NSPS Subpart IIII: Compliance Certification
 56 61 40CFR 63, Subpart ZZZZ: Compliance Certification

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 59 63 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
 60 64 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess
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 60 65 6 NYCRR 242-1.5: Compliance Demonstration
 61 66 6 NYCRR 242-1.5: Compliance Demonstration
 62 67 6 NYCRR Subpart 242-4: Compliance Demonstration
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66 70 6 NYCRR 251.3 (a) (2): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/DRAFT

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 200.6****Item 1.1:**

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

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Condition 2: Fees
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
 Hunters Point Plaza
 47-40 21st Street
 Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.

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The initial report is due 10/30/2021.
 Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

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 submitted electronically or 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 for entire length of Permit

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 for entire length of Permit

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

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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".]

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Condition 10: Maintenance of Equipment
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

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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 for entire length of Permit**

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 for entire length of Permit**

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: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 17.1:

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

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contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 18: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 68

Item 18.1:

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

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

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

**Condition 19: Recycling and Emissions Reduction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 19.1:

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 20: Emission Unit Definition
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit contains 31 simple cycle combustion turbines and seven starting engines. There are 12 sets of 2 turbines / generator and they are listed as A & B. These sets burn natural gas or distillate. There are seven additional turbines; 5, 7, 8, and 10 through 13, which burn only distillate oil and have diesel starter engines.

Building(s): GTFAC

Item 20.2:

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

Emission Unit: U-CTG01

Emission Unit Description:

GE H-Class, model 7HA.03 simple cycle combustion turbine. The turbine fires primarily natural gas with distillate oil as backup fuel.

Building(s): CTG

Item 20.3:

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

Emission Unit: U-EGENS

Emission Unit Description:

This emission unit consists of a 500 kW emergency diesel engine and two diesel fired fire pump engines rated at 117 kW and 177 kW.

Building(s): FPBLDG

**Condition 21: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 21.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall be required to calculate total carbon dioxide equivalent emissions on a 12 month average rolled monthly from the facility. The limit of

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Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 12 hours

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 23: Progress Reports Due Semiannually
Effective for entire length of Permit**

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

Item 23.1:

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 24: Operational Flexibility
Effective for entire length of Permit**

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

Item 24.1:

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

**Condition 25: Visible Emissions Limited
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 211.2

Item 25.1:

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 26: Compliance Certification

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Effective for entire length of Permit

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

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

**Condition 27: Compliance Certification
 Effective for entire length of Permit**

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6

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minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60, Appendix A, Method 9
Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Certification
Effective for entire length of Permit

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil firing emission sources subject to 6 NYCRR Subpart 227-1 which do not employ a continuous opacity monitor for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each emission source which is operating on oil 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:
 - date and time of day
 - observer's name
 - identity of the emission point
 - weather conditions
 - was a plume observed?

Inclement weather conditions shall be recorded for those

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

3) If the operator observes any visible emissions (other than steam - see below) for two consecutive days while firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a 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 within 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 plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-6.2

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The project emission potential for this facility is 25.4

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tons per year of VOC which is greater than the 2.5 tons per year significant project threshold. The facility, through the shutdown of 22 simple cycle combustion turbines and curtailment of 2 combustion turbines, has created emission reduction credits. 0.5 tons of VOC credits will be used to net the project out of non-attainment new source review.

The owner or operator shall calculate the total project emissions on annual maximum rolled monthly basis. The owner or operator will stack test data and vendor emission guarantees to calculate the total VOC emissions of the emission sources associated with the project. These sources include the new combustion turbine, an emergency engine, and two fire pump engines.

Records used to determine compliance with the net emission increase limit for VOC shall be maintained on site for a minimum of 5 years.

Parameter Monitored: VOC

Upper Permit Limit: 25.4 tons per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 30: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-6.2

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The project emission potential for this facility is 97.5 tons per year of oxides of nitrogen which is greater than the 2.5 tons per year significant project threshold. The facility, through the shutdown of 22 simple cycle combustion turbines and curtailment of 2 combustion turbines, has created emission reduction credits. 72.6 tons of oxides of nitrogen credits will be used to net the project out of non-attainment new source review.

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The owner or operator shall calculate the total project emissions on annual maximum rolled monthly basis. The owner or operator will use CEM data and vendor emission guarantees to calculate the total oxides of nitrogen emissions of the emission sources associated with the project. These sources include the new combustion turbine, an emergency engine, and two fire pump engines.

Records used to determine compliance with the net emission increase limit for oxides of nitrogen shall be maintained on site for a minimum of 5 years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 97.5 tons per year
 Monitoring Frequency: CONTINUOUS
 Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 231-8

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10
 CAS No: 0NY075-02-5 PM 2.5
 CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall calculate the total facility particulate matter/PM-10/PM-2.5 emissions on annual maximum rolled monthly basis. The owner or operator will use stack test data and vendor emission guarantees to calculate the total particulate matter/PM-10/PM-2.5 emissions of the facility to determine compliance with the annual 52.6 ton per year limit for particulate matter/PM-10/PM-2.5.

Records used to determine compliance with the annual limit for particulate matter/PM-10/PM-2.5 shall be maintained on site for a minimum of 5 years.

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Parameter Monitored: PARTICULATES
Upper Permit Limit: 52.6 tons per year
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 32: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 32.1:

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 33: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 64

Item 33.1:

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

Emission Unit: U-CTG01

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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Emissions of volatile organic compounds (VOC) from the combustion turbine are subject to non-attainment new source review (NSR) requirements of 6 NYCRR Subpart 231-6. Based on the NSR limits cited under 6 NYCRR Subpart 231-6 the facility is also subject to the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64. The emissions are controlled using an oxidation catalyst. Emissions of carbon monoxide (CO) are continuously monitored and used as a surrogate for VOC emissions.

The CAM monitoring approach is as follows:

1. The facility owner or operator must continuously monitor and record the operating load of the combustion turbine and ensure it does not fall below the applicable limit during periods of steady state operation. Steady state operation does not include periods of start-up, shutdown, fuel switching, or any other periods approved by the Department. The facility owner or operator must develop and propose changes to this limit necessary to comply with the applicable VOC limits for the combustion turbine.
2. The facility owner or operator must conduct periodic performance tests for VOC NSR emissions from the combustion turbine at various operating loads during periods of steady state operation. Steady state operation does not include periods of start-up, shutdown, fuel switching, or any other periods approved by the Department. During each test condition, the facility owner or operator must also record the output of the CO CEMs. If VOC and CO limits are shown to be in compliance with the applicable emission limit, the CO CEMs are considered to be an acceptable surrogate for VOC emissions.
3. During periods where the CO CEMs show an exceedance of the applicable limit, the facility owner or operator must also assume that there is an exceedance of the applicable VOC NSR limit. All such exceedances must be documented and submitted as part of each semiannual compliance report.
4. The facility owner or operator shall maintain records of all information necessary to demonstrate compliance with the requirements of CAM at the facility for a period of at least five years, and must make such records available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 64.7

Item 34.1:

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

Emission Unit: U-CTG01

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

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For the purposes of Compliance Assurance Monitoring, the facility owner or operator shall ensure that the minimum operating load of the combustion turbine does not fall below the limit specified below during periods of steady state operation. Steady state operation does not include periods of start-up, shutdown, fuel switching, or any other periods approved by the Department.

The facility owner or operator shall continuously monitor and record the actual operating load of the combustion turbine. Records kept pursuant to this requirement shall include all data necessary to demonstrate the actual operating load of the combustion turbine. All records used to determine compliance with the applicable limit(s) must be kept at the facility (or other Department approved location) for a minimum of five years.

Parameter Monitored: ELECTRICAL LOAD OUTPUT
 Lower Permit Limit: 50 percent
 Monitoring Frequency: CONTINUOUS
 Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
 VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 35: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective for entire length of Permit

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Applicable Federal Requirement:40 CFR Part 72

Item 35.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

Condition 36: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- (3) The emissions data determined shall be used to

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Facility DEC ID: 2630100191

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 97.606, Subpart CCCCC

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(2) The facility, and the designated representative, of each TR SO2 Group 1 source (facility) and each TR SO2 Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission

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monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 38: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 38.1:

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

Emission Unit: U-00001

Emission Point: GT005		
Height (ft.): 45	Length (in.): 94	Width (in.): 127
NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC

Emission Point: GT007		
Height (ft.): 45	Length (in.): 94	Width (in.): 127
NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC

Emission Point: GT008		
Height (ft.): 45	Length (in.): 94	Width (in.): 127
NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC

Emission Point: GT010		
Height (ft.): 45	Length (in.): 94	Width (in.): 127
NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC

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Facility DEC ID: 2630100191

Emission Point: GT011	Height (ft.): 45	Length (in.): 94	Width (in.): 127
	NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC
Emission Point: GT012	Height (ft.): 45	Length (in.): 94	Width (in.): 127
	NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC
Emission Point: GT013	Height (ft.): 45	Length (in.): 94	Width (in.): 127
	NYTMN (km.): 4515.7	NYTME (km.): 592.3	Building: GTFAC
Emission Point: GT21A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT21B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT22A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT22B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT23A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT23B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT24A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.5	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT24B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.6	Building: GTFAC
Emission Point: GT31A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.6	NYTME (km.): 592.5	Building: GTFAC
Emission Point: GT31B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.6	NYTME (km.): 592.5	Building: GTFAC

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Emission Point: GT32A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.6	NYTME (km.): 592.5	Building: GTFAC
Emission Point: GT32B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.6	NYTME (km.): 592.5	Building: GTFAC
Emission Point: GT33A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT33B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT34A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT34B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT41A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT41B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT42A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT42B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT43A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT43B	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC
Emission Point: GT44A	Height (ft.): 38	Length (in.): 120	Width (in.): 160
	NYTMN (km.): 4515.7	NYTME (km.): 592.4	Building: GTFAC

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Emission Point: GT44B
 Height (ft.): 38 Length (in.): 120 Width (in.): 160
 NYTMN (km.): 4515.7 NYTME (km.): 592.4 Building: GTFAC

Item 38.2:

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

Emission Unit: U-CTG01

Emission Point: STK01
 Height (ft.): 250 Diameter (in.): 342
 NYTMN (km.): 4515.836 NYTME (km.): 592.29

Item 38.3:

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

Emission Unit: U-EGENS

Emission Point: EGEN1
 Height (ft.): 13 Diameter (in.): 8
 NYTMN (km.): 4515.744 NYTME (km.): 592.324

Emission Point: FIRE1
 Height (ft.): 173 Diameter (in.): 4
 NYTMN (km.): 4515.638 NYTME (km.): 592.506 Building: FPBLDG

Emission Point: FIRE2
 Height (ft.): 173 Diameter (in.): 6
 NYTMN (km.): 4515.634 NYTME (km.): 592.503 Building: FPBLDG

**Condition 39: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 39.1:

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

Emission Unit: U-00001
 Process: BLG Source Classification Code: 2-02-007-01
 Process Description:
 Two black start combustion turbines firing natural gas.

Emission Source/Control: GT41A - Combustion
 Design Capacity: 255 million Btu per hour

Emission Source/Control: GT41B - Combustion
 Design Capacity: 255 million Btu per hour

Item 39.2:

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

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Emission Unit: U-00001

Process: BLO

Source Classification Code: 2-02-009-01

Process Description:

Two black start combustion turbines firing distillate oil.

Emission Source/Control: GT41A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT41B - Combustion

Design Capacity: 255 million Btu per hour

Item 39.3:

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

Emission Unit: U-00001

Process: CNG

Source Classification Code: 2-02-007-01

Process Description:

Natural gas firing in simple cycle combustion turbines.

Emission Source/Control: GT21A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT21B - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT22A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT22B - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT23A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT23B - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT24A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT24B - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT31A - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT31B - Combustion

Design Capacity: 255 million Btu per hour

Emission Source/Control: GT32A - Combustion

Design Capacity: 255 million Btu per hour

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Emission Source/Control: GT32B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT33A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT33B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT34A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT34B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT41A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT41B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT42A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT42B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT43A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT43B - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT44A - Combustion
Design Capacity: 255 million Btu per hour

Emission Source/Control: GT44B - Combustion
Design Capacity: 255 million Btu per hour

Item 39.4:

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

Emission Unit: U-CTG01

Process: GAS

Source Classification Code: 2-01-002-09

Process Description:

Combustion turbine firing natural gas. Controls include
DLN combustion, SCR, and an oxidation catalyst.

Emission Source/Control: CTG01 - Combustion
Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Control Type: OXIDATION CATALYST

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

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

Item 39.5:

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

Emission Unit: U-CTG01
Process: OIL Source Classification Code: 2-01-001-09
Process Description:
Combustion turbine firing distillate oil. Controls include oil/water emulsion injection system, SCR, and an oxidation catalyst.

Emission Source/Control: CTG01 - Combustion
Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control
Control Type: OXIDATION CATALYST

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

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

Item 39.6:

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

Emission Unit: U-CTG01
Process: SDG Source Classification Code: 2-01-002-09
Process Description: Combustion turbine shutdown on natural gas.

Emission Source/Control: CTG01 - Combustion
Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control
Control Type: OXIDATION CATALYST

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

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

Item 39.7:

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

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Emission Unit: U-CTG01
 Process: SDO Source Classification Code: 2-01-001-09
 Process Description: Combustion turbine shutdown on distillate oil.

Emission Source/Control: CTG01 - Combustion
 Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control
 Control Type: OXIDATION CATALYST

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

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

Item 39.8:

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

Emission Unit: U-CTG01
 Process: SUG Source Classification Code: 2-01-002-09
 Process Description: Combustion turbine start-up on natural gas.

Emission Source/Control: CTG01 - Combustion
 Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control
 Control Type: OXIDATION CATALYST

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

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

Item 39.9:

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

Emission Unit: U-CTG01
 Process: SUO Source Classification Code: 2-01-001-09
 Process Description:
 Combustion turbine start-up on distillate oil and fuel
 switching.

Emission Source/Control: CTG01 - Combustion
 Design Capacity: 3,996 million Btu per hour

Emission Source/Control: CAT01 - Control
 Control Type: OXIDATION CATALYST

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

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

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

Item 39.10:

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

Emission Unit: U-EGENS
Process: EME Source Classification Code: 2-01-001-02
Process Description:
Fire pumps and emergency engine firing distillate oil.

Emission Source/Control: EGEN1 - Combustion
Design Capacity: 555 kilowatts

Emission Source/Control: FIRE1 - Combustion
Design Capacity: 117 kilowatts

Emission Source/Control: FIRE2 - Combustion
Design Capacity: 177 kilowatts

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must notify the Department within 30 days of shutdown and removal of the existing simple cycle peaking turbines. Except for the two turbines that will be converted to black start operations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 227-2.5 (b)

Item 41.1:

The Compliance Certification activity will be performed for:

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Every system averaging plan must have the following characteristics:

- (1) The system averaging plan must employ a weighted average permissible emission rate.
- (2) Averaging of emissions from sources within the severe ozone nonattainment area with those outside the severe ozone nonattainment area is not allowed.
- (3) In the event of a forced outage, the weighted average permissible emission rate must be adjusted to account for the emission source or major electrical inter-tie (345 kV or greater) not in operation as a result of the forced outage. The adjusted emission rate will be deemed in compliance for the period of the forced outage. In the event of a forced outage, the facility owner or operator must, within 30 days thereafter, submit a written report to the department which describes why the outage was unavoidable and includes the following:
 - (i) a contemporaneous operating log signed by the responsible official identifying the location of the emission source which was subject to the forced outage and the cause of such outage;
 - (ii) a demonstration that the emission source was being properly operated at the time the outage occurred;
 - (iii) a demonstration that, during the outage, the facility owner or operator took all reasonable steps to minimize emissions from the operating emission sources included in the system averaging plan, or other requirements of the permit; and
 - (iv) a proposed repair or replacement schedule for the subject emission source or a proposed revised system averaging plan.
- (4) Every owner or operator of an emission source participating in the system averaging plan is liable for

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any and all violations of the provisions of this Subpart by any owner or operator of any emission source participating in the system averaging plan.

The system averaging plan must be approved by the Department and attached to each facility's permit that is part of the plan. Each plan will address monitoring frequency, averaging methods, and reference test methods.

All records associated with the system averaging plan must be kept at each facility that participates in the plan for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 42: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Start-up is defined as the commencing flame initiation in the combustion turbine. The turbine shall be limited to 30 minutes per start-up occurrence. Records of the time and date of each start-up will be kept on site for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 43: Compliance Certification

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Shutdown is defined as the commencing with sending the stop signal to the controller and ending with the cessation of fuel firing in the combustion turbine. The turbine shall be limited to 20 minutes per shutdown occurrence. Records of the time and date of each shutdown will be kept on site for a minimum of five years.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 20 minutes

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 44: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a CEM for emissions of ammonia in accordance with manufacturer's specifications. Please note that this

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Facility DEC ID: 2630100191

limit applies during steady state operations for both natural gas and distillate oil firing. Records of the ammonia slip monitoring will be kept on site for a minimum of five years.

Manufacturer Name/Model Number: Ammonia CEM
 Parameter Monitored: AMMONIA
 Upper Permit Limit: 5 parts per million by volume (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR 60 Appendices B and F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 45: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 18 months of the commencement of commercial operation of the facility, the owner or operator must monitor the number of start-ups, shut downs, and fuel switches at the facility. Once the facility has successfully completed 15 start-ups, shutdowns, and fuel switches they will be required to submit a report to the Department which proposes limits on emissions of these events for CO, NOx, and NH3. Please note that fuel switches will be treated as distillate oil fired start-ups. Also, the proposals should be submitted on a fuel specific basis. Meaning that if 15 start-ups and shutdowns have occurred for natural gas firing, the owner or operator would submit a report for natural gas operations to the Department. Then once the 15 start-ups, shutdowns, and fuel switches have occurred for distillate oil firing, the owner or operator would submit a report for distillate oil operations to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The owner or operator shall be limited to firing 21.954 million gallons per year of distillate oil in the combustion turbine. The limit will be monitored continuously using a fuel flow monitor. The limit will be based on a 12 month average rolled monthly. The owner or operator must maintain the records on site for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 21954000 gallons per year

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator must continuously monitor the heat rate of the combustion turbine. The heat rate is limited to a minimum of 9,300 Btu/kwhr based on the higher heating value of the fuel. Meeting this heat rate will insure

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peak operating efficiency of the combustion turbine while minimizing emissions. All records associated with this limit must be maintained on site for a minimum of five years.

Parameter Monitored: HEAT RATE
 Upper Permit Limit: 9300 BTU per kilowatt-hour
 Monitoring Frequency: CONTINUOUS
 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.
 Subsequent reports are due every 6 calendar month(s).

**Condition 48: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: GAS

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for VOC emissions when firing natural gas. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

The owner or operator shall utilize the tests results to show compliance with VOC CAM.

Parameter Monitored: VOC
 Upper Permit Limit: 10.2 pounds per hour
 Reference Test Method: EPA Test Method 18 or 25A
 Monitoring Frequency: Once every five years
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.

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

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: GAS

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a CEM for emissions of ammonia in accordance with manufacturer's specifications. Please note that this limit applies during steady state operations for natural gas firing. Records of the ammonia slip monitoring will be kept on site for a minimum of five years.

Manufacturer Name/Model Number: CO CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 3.5 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: 40 CFR 60 Appendices B and F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: GAS

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

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a CEM for emissions of oxides of nitrogen in accordance with manufacturer's specifications. Please note that this limit applies during steady state operations for natural gas firing. Records of the oxides of nitrogen emissions will be kept on site for a minimum of five years.

Manufacturer Name/Model Number: NOx CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.5 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR 60 Appendices B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 51: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-8

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Process: GAS

Regulated Contaminant(s):

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

CAS No: 0NY075-02-5 PM 2.5

CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for particulate matter, PM-10, and PM-2.5 emissions when firing distillate oil. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

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The 0.0096 lb/mmBtu limit applies to natural gas fired steady state operations of less than 75 percent load.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.096 pounds per million Btus
 Reference Test Method: EPA Methods 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 52: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-8

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: GAS

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10
 CAS No: 0NY075-02-5 PM 2.5
 CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for particulate matter, PM-10, and PM-2.5 emissions when firing distillate oil. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

The 0.0073 lb/mmBtu limit applies to natural gas fired steady state operations of 75 percent load or greater.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.0073 pounds per million Btus
 Reference Test Method: EPA Methods 201A and 202
 Monitoring Frequency: Once every five years

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01

Process: GAS

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall be required to calculate daily the carbon dioxide equivalent emission rate from the combustion turbine when firing natural gas. The limit of 1119 lbs/MW-hr is based on the gross electrical output of the combustion turbine. The carbon dioxide equivalent emission rate will be calculated by adding the carbon dioxide CEM data and the calculated emission rates of each GHG pollutant multiplied by their carbon dioxide equivalent emission rates in Table 9 of 6 NYCRR 231-13.9. Records of the carbon dioxide equivalent emission rate will be kept at the facility for a minimum of 5 years.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS

Upper Permit Limit: 1119 pounds per megawatt hour

Monitoring Frequency: DAILY

Averaging Method: Daily block average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 54.1:

The Compliance Certification activity will be performed for:

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Emission Unit: U-CTG01
Process: OIL

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

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for VOC emissions when firing distillate oil. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

The owner or operator shall utilize the tests results to show compliance with VOC CAM.

Parameter Monitored: VOC

Upper Permit Limit: 10.8 pounds per hour

Reference Test Method: EPA TEst Method 18 or 25A

Monitoring Frequency: Once every five years

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
Process: OIL

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

The owner or operator shall install, calibrate, maintain, and operate a CEM for emissions of oxides of nitrogen in accordance with manufacturer's specifications. Please note that this limit applies during steady state operations for distillate oil firing. Records of the the oxides of nitrogen emissions will be kept on site for a minimum of five years.

Manufacturer Name/Model Number: NOx CEM
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR 60 Appendices
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 56: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: OIL

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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

The owner or operator shall install, calibrate, maintain, and operate a CEM for emissions of carbon monoxide in accordance with manufacturer's specifications. Please note that this limit applies during steady state operations of distillate oil firing. Records of the carbon monoxide emissions monitoring will be kept on site for a minimum of five years.

Manufacturer Name/Model Number: CO CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 5 parts per million by volume (dry,
 corrected to 15% O2)
 Reference Test Method: 40 CFR 60 Appendices B and F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: OIL

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10
 CAS No: 0NY075-02-5 PM 2.5
 CAS No: 0NY075-00-0 PARTICULATES

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for particulate matter, PM-10, and PM-2.5 emissions when firing distillate oil. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

The 0.032 lb/mmBtu limit applies to distillate oil fired steady state operations of less than 75 percent load.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.032 pounds per million Btus
 Reference Test Method: EPA Methods 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Permit ID: 2-6301-00191/00003

Facility DEC ID: 2630100191

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: OIL

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10
 CAS No: 0NY075-02-5 PM 2.5
 CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall submit a compliance test protocol for Department approval within 60 days of the compliance test for particulate matter, PM-10, and PM-2.5 emissions when firing distillate oil. Within 30 days of the completion of the compliance test the owner or operator must submit the results of the test for VOC emissions for Department approval. The records of the test must be maintained on site for a minimum of 5 years.

The 0.025 lb/mmBtu limit applies to distillate oil fired steady state operations of 75 percent load or greater.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.025 pounds per million Btus
 Reference Test Method: EPA Methods 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CTG01
 Process: OIL

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

Permit ID: 2-6301-00191/00003

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Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall be required to calculate daily the carbon dioxide equivalent emission rate from the combustion turbine when firing distillate oil. The limit of 1608 lbs/MW-hr is based on the gross electrical output of the combustion turbine. The carbon dioxide equivalent emission rate will be calculated by adding the carbon dioxide CEM data and the calculated emission rates of each GHG pollutant multiplied by their carbon dioxide equivalent emission rates in Table 9 of 6 NYCRR 231-13.9. Records of the carbon dioxide equivalent emission rate will be kept at the facility for a minimum of 5 years.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS

Upper Permit Limit: 1608 pounds per megawatt hour

Monitoring Frequency: DAILY

Averaging Method: Daily block average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60, NSPS Subpart IIII

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-EGENS

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of emergency stationary compression ignition engines (including fire pumps) must verify compliance with the requirements of this regulation by purchasing emergency engines certified by the manufacturer. This certification must be kept at the facility and available to the Department upon request.

The owner or operator must maintain the emergency engines in accordance with the manufacturer's specifications and keep a log of the hours of operation and fuel usage for each individual engine. These records must be maintained

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on site for a minimum of five years and be submitted to the Department semiannually.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-EGENS

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of new compression ignition emergency engines (including fire pumps) will comply with the requirements of this regulation by complying with the requirements of 40 CFR 60 Subpart IIII. All records associated with 40 CFR 60 Subpart IIII must be kept on site for a minimum of five years and be submitted to the Department on a semiannual basis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

(2) the equipment at the facility was being properly operated and maintained;

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

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

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

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

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 62: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 62.1:

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: 0NY075-00-0
Name: PARTICULATES

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

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

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

**Condition 63: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 63.1:

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

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

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

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

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

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**Condition 64: CO2 Budget Trading Program - Excess emission requirements
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-1.5

Item 64.1:

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 65: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-1.5

Item 65.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 65.2:

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

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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.

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

**Condition 66: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

Item 66.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 66.2:

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

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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.

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

**Condition 67: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR Subpart 242-4

Item 67.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 67.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Annual Compliance Certification Report:

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

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

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

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

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

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

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

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

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring

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reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 68: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-8.5

Item 68.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

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

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

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prescribed in 40 CFR 75.62.

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

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

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

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO_x, and SO₂ provisions.

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

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

**Condition 69: Compliance Demonstration
 Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 69.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 180 pounds per million Btus

Reference Test Method: 40 CFR 75 Appendix G

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 0 days after the reporting period.

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

**Condition 70: Compliance Demonstration
 Effective for entire length of Permit**

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Applicable State Requirement: 6 NYCRR 251.3 (a) (2)

Item 70.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-CTG01

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 70.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of simple cycle combustion turbines or stationary internal combustion engines that fire either liquid fuel or liquid and gaseous fuel simultaneously, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 160 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 160 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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