

Facility DEC ID: 1282400947

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-2824-00947/00004
Effective Date:

Expiration Date:

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 1-2824-00947/00010
Effective Date:

Expiration Date:

Permit Issued To: BETHPAGE ENERGY CENTER 3 LLC
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

CPN BETHPAGE 3RD TURBINE INC
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

TBG COGEN PARTNERS
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

Contact: JARON BERGIN
CALPINE CORPORATION
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

Facility: TBG COGEN FACILITY
939 S BROADWAY
HICKSVILLE, NY 11801-5032

Contact: IGOR BORISOV
BETHPAGE ENERGY CENTER 3 LLC
939 S BROADWAY
HICKSVILLE, NY 11801
(516) 349-8340

Description:

This is a renewal of the Title V permit and Title IV permit. The TBG facility includes two combined cycle power plants and a peaking power plant. One combined cycle plant consists of two identical GE LM2500 combustion turbines, two heat recovery boilers and steam turbine generator; the LM2500 units are permitted to fire natural gas and distillate oil. The second combined cycle power plant consists of one GE LM6000 combustion turbine and once-through boiler with duct burner permitted to fire natural gas exclusively, and a steam turbine. The peaking power plant consists of one GE LM6000 combustion turbine permitted to fire natural gas only.

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The facility also has a gas-fired auxiliary boiler to provide a simple cycle gas turbine with inlet heating when the combined cycle plant is out of service, and furnace space heaters which are used to provide space heating for the turbine building of Emission Unit U-00003. These sources are exempt from permitting requirements.

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: KEVIN A KISPERT
 SUNY @ STONY BROOK
 50 CIRCLE RD
 STONY BROOK, NY 11790

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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DEC GENERAL CONDITIONS

General Provisions

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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

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submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:
 NYSDEC Regional Permit Administrator
 Region 1 Headquarters
 Division of Environmental Permits
 Stony Brook University
 50 Circle Road
 Stony Brook, NY 11790-3409
 (631) 444-0365

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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HOUSTON, TX 77002

CPN BETHPAGE 3RD TURBINE INC
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

TBG COGEN PARTNERS
717 TEXAS AVE STE 1000
HOUSTON, TX 77002

Facility: TBG COGEN FACILITY
939 S BROADWAY
HICKSVILLE, NY 11801-5032

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

Permit Effective Date:

Permit Expiration Date:

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- 37 53 6 NYCRR Subpart 201-6: Compliance Certification
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 44 63 6 NYCRR Subpart 201-6: Compliance Certification
 44 64 6 NYCRR Subpart 201-6: Compliance Certification

EU=U-00010

- 45 65 6 NYCRR Subpart 201-6: Compliance Certification
 46 66 40CFR 52.21, Subpart A: Compliance Certification

EU=U-00010,Proc=GM1

- 46 67 6 NYCRR Subpart 201-6: Compliance Certification
 47 68 40CFR 52.21, Subpart A: Compliance Certification

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- 48 69 6 NYCRR Subpart 201-6: Compliance Certification
 49 70 6 NYCRR 227-2.4 (e): Compliance Certification

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- 49 71 6 NYCRR Subpart 201-6: Compliance Certification
 50 72 40CFR 52.21, Subpart A: Compliance Certification
 51 73 40CFR 60.332, NSPS Subpart GG: Compliance Certification

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 54 76 6 NYCRR 211.1: Air pollution prohibited
 55 77 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess
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 55 78 6 NYCRR 242-1.5: Compliance Demonstration

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56 79 6 NYCRR 242-1.5: Compliance Demonstration
57 80 6 NYCRR 242-8.5: Compliance Demonstration
59 81 6 NYCRR 251.6 (d): Compliance Demonstration
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60 82 6 NYCRR 251.3 (b): Compliance Demonstration

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60 83 6 NYCRR 251.3 (b): Compliance Demonstration

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61 84 6 NYCRR 251.3 (b): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 4/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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective 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

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

Condition 2: Fees
Effective 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: Compliance Certification
Effective for entire length of Permit

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

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The owner or operator of a Title V facility must keep all records used to determine compliance with any applicable limit(s) and/or monitoring requirement(s) at the facility (or other Department approved location) for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5: Compliance Certification
Effective for entire length of Permit

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.

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(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

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

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

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the

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monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
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;

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- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC- Region 1 Headquarters

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Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2026.
Subsequent reports are due on the same day each year

Condition 7: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

- (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 8: Open Fires - Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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 8.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used

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for cooking or processing food.

(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.

(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.

(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 9: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 9.1:

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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 10: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to
the air**
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 12.1:

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

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

Item 13.1:

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

Condition 14: Requirement to Provide Information
Effective for entire length of Permit

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Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)**Item 14.1:**

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 15: Right to Inspect
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)****Item 15.1:**

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 16: Required Emissions Tests
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR 202-1.1****Item 16.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the Department may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

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Condition 17: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR Part 68

Item 17.1:

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 18: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 82, Subpart F

Item 18.1:

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 19: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 19.1:

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

Emission Unit: U-00002

Emission Unit Description:

A GE LM6000 PC Sprint combustion turbine. The turbine

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exclusively fires natural gas and has a nominal net electrical power output of less than 50 MW. The turbine employs selective catalytic reduction for NO_x control and an oxidation catalyst system for CO control.

Building(s): CT

Item 19.2:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit will consist of a GE LM6000 SPRINT combined cycle combustion turbine, a once through steam generator equipped with duct burners. The combustion turbine and the duct burners will operate exclusively on natural gas.

Building(s): CTG3

Item 19.3:

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

Emission Unit: U-00010

Emission Unit Description:

Two identical GE Model LM2500 PE gas turbines and associated HRSG. The gas turbines may fire natural gas, distillate oil, or mixed fuel (gas/oil). Each turbine/HRSG combustion unit is 254 MMBtu/hr. The total heat input for both of the GT/HRSG's combined is 508 MMBtu/hr. There is one emission point for this emission unit consisting of the aggregate of two stacks, one for each combustion turbine/HRSG combustion unit.

Building(s): 1

**Condition 20: Progress Reports Due Semiannually
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)****Item 20.1:**

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 21: Operational Flexibility

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Effective for entire length of Permit**Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)****Item 21.1:**

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 22: Statement dates for emissions statements.
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 202-2.4 (a) (3)****Item 22.1:**

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

**Condition 23: Visible Emissions Limited
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 211.2****Item 23.1:**

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

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Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The

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Department reserves the right to preform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manor, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met.

Record of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and the permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 26: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Fuel oil consumption is limited to a rolling annual
average of 11.1 million gallons per year.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 11,100,000 gallons per year

Reference Test Method: NA

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 27: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 27.1:

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 28: Recordkeeping requirements.
Effective for entire length of Permit**

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

Item 28.1:

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

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Condition 29: Excess emissions report.
Effective for entire length of Permit

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

Item 29.1:

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

Condition 30: Facility files for subject sources.
Effective for entire length of Permit

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

Item 30.1:

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

Condition 31: Performance testing timeline.
Effective for entire length of Permit

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

Item 31.1:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 32: Performance test methods.
Effective for entire length of Permit

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

Item 32.1:

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

Condition 33: Required performance test information.
Effective for entire length of Permit

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

Item 33.1:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

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Condition 34: Prior notice.
Effective for entire length of Permit

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

Item 34.1:

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

Condition 35: Performance testing facilities.
Effective for entire length of Permit

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

Item 35.1:

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

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

Condition 36: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 36.1:

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

Condition 37: Monitoring requirements.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 37.1:

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

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

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Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous compliance with the applicable CO and NO_x emission limits shall be demonstrated by CEMS monitoring data. Based on the CEMS data, a separate compliance determination is conducted at the end of each period and a new average emission rate is calculated based on the arithmetic average of all valid hourly emission rates from the previous period. Valid hourly emission rates shall not include periods of start-up or shutdown. A valid hourly emission rate shall be calculated for each hour which has at least two measurements that are obtained at least 15 minutes apart. If possible a valid hourly emission rate shall be calculated using at least four measurements obtained 15 minutes apart.

Reference Test Method: 40 CFR 60.13

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 39: Modifications.

Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 60.14, NSPS Subpart A

Item 39.1:

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

Condition 40: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR Part 72

Item 40.1: This facility is subject to the Title IV Acid Rain Program regulations found in 40 CFR Parts 72, 73, 75, 76, 77, and 78. In accordance with those requirements, a separate Title IV Acid Rain permit has been issued to the facility. The facility owner or operator shall maintain a copy of the Title IV Acid Rain permit together with this Title V permit in the facility's files.

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Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

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:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.
- (2) The facility, and the designated representative, of each TR NOx Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.
- (3) The emissions data determined shall be used to calculate allocations of TR NOx Annual allowances and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions. As of the allowance

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transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Annual facility and each TR NO_x Annual Unit at the facility shall hold, in the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97.606, Subpart CCCCC

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 43.1:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 100

Diameter (in.): 162

NYTMN (km.): 4511.686 NYTME (km.): 626.732 Building: CT

Item 43.2:

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

Emission Unit: U-00003

Emission Point: U0003

Height (ft.): 100

Diameter (in.): 129

NYTMN (km.): 4511.641 NYTME (km.): 626.746 Building: CTG3

Item 43.3:

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

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Emission Unit: U-00010

Emission Point: 0001A

Height (ft.): 100

Diameter (in.): 78

NYTMN (km.): 4511.733 NYTME (km.): 626.746 Building: 1

Emission Point: 0001B

Height (ft.): 100

Diameter (in.): 78

NYTMN (km.): 4511.738 NYTME (km.): 626.784 Building: 1

**Condition 44: Process Definition By Emission Unit
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 44.1:**

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

Emission Unit: U-00002

Process: 003

Source Classification Code: 2-03-002-03

Process Description:

GE LM6000 COMBUSTION TURBINE FIRING
EXCLUSIVELY NATURAL GAS. NO_x emissions are
controlled with SCR and CO emissions are
controlled with a Catalytic oxidation
unit.

Emission Source/Control: 00007 - Combustion

Design Capacity: 475 million Btu per hour

Emission Source/Control: 00009 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 44.2:

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

Emission Unit: U-00003

Process: CCT

Source Classification Code: 2-03-002-03

Process Description:

GE LM6000 SPRINT combustion turbine firing exclusively
natural gas in a combine cycle configuration. NO_x
emissions are controlled with SCR, and CO emissions are
controlled with a catalytic oxidation unit.

Emission Source/Control: 0CCCT - Combustion

Design Capacity: 475 million Btu per hour

Emission Source/Control: C0003 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR03 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

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Item 44.3:

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

Emission Unit: U-00010

Process: GM1

Source Classification Code: 2-03-002-03

Process Description:

Two identical GE combustion turbines firing mixed fuel (natural gas and distillate oil). NOx emissions are controlled by steam injection, and CO emissions are controlled by catalytic oxidation. The design capacity of U00010 is 508 MMBtu/hr (254 MMBtu/hr for each CT/HRSG).

Emission Source/Control: 000GT - Combustion

Design Capacity: 508 million Btu per hour

Emission Source/Control: COX01 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: STM01 - Control

Control Type: STEAM INJECTION

Item 44.4:

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

Emission Unit: U-00010

Process: GTG

Source Classification Code: 2-03-002-03

Process Description:

Two identical GE LM2500 combustion turbines (each rated at 254 MMBtu/hr) firing natural gas. NOx emissions are controlled by steam injection, and CO emissions are controlled by catalytic oxidation.

Emission Source/Control: 000GT - Combustion

Design Capacity: 508 million Btu per hour

Emission Source/Control: COX01 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: STM01 - Control

Control Type: STEAM INJECTION

Item 44.5:

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

Emission Unit: U-00010

Process: GTO

Source Classification Code: 2-03-001-02

Process Description:

Two identical GE LM2500 combustion turbines (each rated at 254 MMBtu/hr) firing distillate oil. NOx emissions are controlled by steam injection, and CO emissions are controlled by catalytic oxidation.

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Emission Source/Control: 000GT - Combustion
Design Capacity: 508 million Btu per hour

Emission Source/Control: COX01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: STM01 - Control
Control Type: STEAM INJECTION

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-00002

Item 45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A start-up shall be defined as the period of time when the gas turbine begins firing fuel until the point when the control equipment operation has archived a concentration rate of 2.5 ppmvd (at 15% O₂) for oxides of nitrogen and a concentration of 5.0 ppmvd (at 15% O₂) for carbon monoxide, and remains within both limits for 10 minutes. This period shall be limited to 30 minutes per occurrence. The owner or operator shall record each period of start-up and its duration. A report consisting of the reported information shall be submitted to the Department on a semiannual basis with the facility's required excess emissions report.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

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 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A shutdown shall be defined as the period of time when the unit's load started to be reduced for the purpose of taking the unit off line to when the fuel is no longer being combusted in the engine, not to exceed 20 minutes per occurrence. The owner/operator shall record each period of shutdown and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required excess emissions report. All records shall be maintained at the facility for a minimum of five years

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 20 minutes

Monitoring Frequency: CONTINUOUS

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 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of Nitrogen (NO_x) Continuous emission Monitor (CEM) is required. The limit of 5 pounds in 20 minutes

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shall only apply during periods of shutdown with no equipment malfunction, not to be exceeded per occurrence. Emissions in excess of this limit shall be reported on a semiannual basis through the facility excess emission report.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 5 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
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 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-00002

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

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Oxides of Nitrogen (NO_x) Continuous Emission Monitor (CEM) is required. The limit of 15 pounds in 30 minutes shall only apply during periods of start-up with no equipment malfunction, not to be exceeded per occurrence. Emissions in excess of this limit shall be reported on a semiannual basis through the facility excess emission report.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 15 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
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-00002

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Oxides of Nitrogen (NO_x) limit is demonstrated through the use of a Continuous Emission Monitor (CEM). This limit shall apply at all times except during periods of start-up, shutdown or malfunction. Emission in excess of this limit shall be reported on a semiannual basis through the facility excess emission report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

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 App. B&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-00002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Carbon Monoxide (CO) limit is demonstrated using a Continuous Emission Monitor (CEM).

This limit shall apply at all times except during periods of start-up, shutdown or malfunction. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 App. B&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 201-6

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia slip, in accordance with the manufacturer's specifications. The limit shall apply during periods of start-up, shutdown, provided there are no equipment malfunctions. Emissions in excess of this limit shall be reported on a semiannual basis through the facility's excess emissions report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Parameter Monitored: AMMONIA

Upper Permit Limit: 7.4 pounds

Reference Test Method: 40 CFR 60 App. F

Monitoring Frequency: CONTINUOUS

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 52: Compliance Certification
Effective for entire length of Permit**Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia slip, in accordance with manufacture's specifications. The limit shall apply at all times except during periods of start-up, shutdown or malfunctions. Emission in excess of this limit shall be reported on a semiannual basis through the facility excess emission report. All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 10 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60

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 53: Compliance Certification
Effective for entire length of Permit**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A shutdown shall be defined as the period of time when the unit's load started to be reduced for the purpose of taking the unit off line when the fuel is no longer being combusted in the engine, not to exceed 4 hours per occurrence. The owner or operator shall record each period of shutdown and its duration. A report consisting of the recorded information shall be submitted to the Department on an semiannual basis with the facility's required excess emissions report.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

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 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:

Emission Unit: U-00003

Item 54.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A start-up shall be defined as the period of time when the gas turbine begins firing fuel until the point when the control equipment operation has achieved a concentration rate of 2.5 ppmvd (at 15% O₂) for oxides of nitrogen and a rate of 10.3 lbs/hr for carbon monoxide,

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and remains within both limits for 10 minutes. This period shall be limited to 4 hours per occurrence. The owner or operator shall record each period of start-up and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required excess emissions report.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

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 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-00003

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility was previously limited to a combine cycle operation. The facility will be allowed to operate in simple cycle mode. The same emission limits and monitoring requirements apply during either mode of operation. The facility will maintain a log of records of the hours of operation under both combine cycle and simple cycle modes. These records must be kept for a minimum of five years. This log must be kept at the facility and available for inspection by the Department.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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:

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Emission Unit: U-00003

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator of this facility shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia slip. Records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60

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 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):
CAS No: 000000-00-0 OXIDES OF NITROGEN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Oxides of Nitrogen (NO_x) limit is demonstrated through the use of a Continuous Emissions Monitor (CEM). This limit shall apply at all times except during periods of start-up, shutdown or malfunction. Emissions in excess of this limit shall be reported on a semiannual basis through the facility excess emissions report.

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Manufacturer Name/Model Number: CEMS
 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 Part 75
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 58.2:

Compliance Certification shall include the following monitoring:

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

This limit shall apply when the gas turbine is operating without the duct burner except during periods of start-up, shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS
 Parameter Monitored: AMMONIA
 Upper Permit Limit: 6.33 pounds per hour
 Reference Test Method: 40 CFR Part 60
 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 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

CAS No: 000630-08-0 CARBON MONOXIDE

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply when the gas turbine is operating
without duct firing except during periods of start-up,
shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 7.75 pounds per hour

Reference Test Method: 40 CFR Part 60

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 60: Compliance Certification
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR Subpart 201-6****Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply when the gas turbine is operating
with duct firing except during periods of start-up,
shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.3 pounds per hour

Reference Test Method: 40 CFR Part 60

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).

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Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit shall apply when the gas turbine is operating with duct firing except during periods of start-up, shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: AMMONIA

Upper Permit Limit: 9.70 pounds per hour

Reference Test Method: 40 CFR Part 60

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 62: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The limit shall apply when the gas turbine is operating

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in combined cycle mode with duct firing except during periods of start-up, shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 6.6 pounds per hour
Reference Test Method: 40 CFR Part 75
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 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of Nitrogen (NO_x), Continuous Emission Monitor (CEM) is required. The limit of 200 pounds in 4 hours shall apply only during periods of start-up with no equipment malfunction, not to be exceeded per occurrence. Emission in excess of this limit shall be reported on a semiannual basis through the facility excess emission report.

Manufacturer Name/Model Number: CEMS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 200 pounds
Reference Test Method: N/A
Monitoring Frequency: CONTINUOUS
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 64: Compliance Certification
Effective for entire length of Permit

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of Nitrogen (NO_x) Continuous Emission Monitor (CEM) is required. The limit of 80 pounds in 4 hours shall apply only during periods of shutdown with no equipment malfunction, not to be exceeded per occurrence. Emissions in excess of this limit shall be reported on a semiannual basis through the facility excess emission report.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 80 pounds

Reference Test Method: 40 CFR0 APP B&F

Monitoring Frequency: CONTINUOUS

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 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Item 65.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A shutdown shall be defined as the period of time when the unit's load started to be reduced for the purpose of

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

taking the unit off line to when the fuel is no longer being combusted in the engine, not to exceed 4 hours per occurrence. The owner or operator shall record each period of shutdown and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required excess emissions report.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

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 66: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 52.21, Subpart A

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous Emission monitoring of Carbon Monoxide is required.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: .102 pounds per million Btus

Reference Test Method: 40 CFR Part 60

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 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GM1

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

When firing mixed fuel (natural gas or oil), a start-up shall be defined as the period of time when the gas turbine begins firing fuel until the point when the control equipment operation has achieved a concentration of 60.0 ppmvd (at 15% O₂) for Oxides of Nitrogen and a rating of 0.102 lb/MMBtu of Carbon Monoxide, and remains within both limits for 10 minutes. This period shall be limited to 4 hours per occurrence. The owner/operator shall record each period of start-up and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required emission report. All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

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 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GM1

Regulated Contaminant(s):

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Nitrogen Oxide emission limit is demonstrated using a Continuous Emission Monitor. This limit shall apply at all times except during periods of start-up, shutdown or malfunction

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 60 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP B&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 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GTG

Item 69.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

When firing natural gas, a start-up shall be defined as the period of time when the gas turbine begins firing fuel until the point when the control equipment operation has achieved a concentration of 42.0 ppmvd (at 15% O₂) for Oxides of Nitrogen and a rate of 0.102 lb/MMBtu of Carbon Monoxide, and remains within both limits for 10 minutes. This period shall be limited to 4 hours per occurrence. The owner/operator shall record each period of start-up and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required emission report. All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

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 70: Compliance Certification
Effective for entire length of Permit

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GTG

Regulated Contaminant(s):

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Oxides of Nitrogen (NO_x) limit is demonstrated through the use of a Continuous Emission Monitor (CEM). This limit shall apply at all times except during periods of start-up, shutdown or malfunction.

Emission in excess of this limit shall be reported on a semiannual basis through the facility excess emission report.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GTO

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 71.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

When firing distillate oil, a start-up shall be defined as the period of time when the gas turbine begins firing fuel until the point when the control equipment operation has achieved a concentration of 65.0 ppmvd (at 15% O₂) for Oxides of Nitrogen and a rating of 0.102 lb/MMBtu of Carbon Monoxide, and remains within both limits for 10 minutes. This period shall be limited to 4 hours per occurrence. The owner/operator shall record each period of start-up and its duration. A report consisting of the recorded information shall be submitted to the Department on a semiannual basis with the facility's required emission report. All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 4 hours

Monitoring Frequency: CONTINUOUS

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 72: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GTO

Regulated Contaminant(s):

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the Nitrogen Oxide emission limit is demonstrated using a Continuous Emission Monitor. This limit shall apply at all times except during periods of

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start-up, shutdown or malfunction

Manufacturer Name/Model Number: CEMS

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

Reference Test Method: 40 CFR 60 APP B&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 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.332, NSPS Subpart GG

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GTO

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

A NO_x Continuous Emission Monitor (CEM) is used to demonstrate compliance with Subpart GG. This limit shall apply at all time except during periods of start-up, shutdown, or malfunction.

Manufacturer Name/Model Number: CEMS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 96.4 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR App B&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).

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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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 74: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 74.1:

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: 0NY210-00-0
Name: OXIDES OF NITROGEN

Condition 75: Malfunctions and Start-up/Shutdown Activities

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Effective for entire length of Permit**Applicable State Requirement:6 NYCRR 201-1.4****Item 75.1:**

(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.

Condition 76: Air pollution prohibited
Effective for entire length of Permit**Applicable State Requirement:6 NYCRR 211.1****Item 76.1:**

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

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quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 77: CO2 Budget Trading Program - Excess emission requirements
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

Item 77.1:

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

Applicable State Requirement: 6 NYCRR 242-1.5

Item 78.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 78.2:

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

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242-8.

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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 79: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 242-1.5

Item 79.1:

The Compliance Demonstration activity will be performed for the Facility.

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Item 79.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 80: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 242-8.5

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 80.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

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

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

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

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

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

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

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance

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certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

- (i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;
- (ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO₂ emissions; and
- (iii) the CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 81: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 251.6 (d)

Item 81.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

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

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

Condition 82: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 82.2:

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 30 days after the reporting period.

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

Condition 83: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 251.3 (b)

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 83.2:

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 Appendix G

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 84: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 84.2:

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947

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 30 days after the reporting period.

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

Permit ID: 1-2824-00947/00004

Facility DEC ID: 1282400947