

Facility DEC ID: 2630400024

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6304-00024/00039
Effective Date:

Expiration Date:

Permit Issued To:RAVENSWOOD OPERATIONS, LLC
38-54 VERNON BLVD
LONG ISLAND CITY, NY 11101

Contact: JAMES SCULLIN
RAVENSWOOD OPERATIONS, LLC
38-54 VERNON BLVD
LONG ISLAND CITY, NY 11101
(718) 706-2033

Facility: RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD|Lot Has Multiple Facilities / Permits On It. West Side
Of Vernon Blvd.
Queens, NY 11101

Description:
The facility consists of one GE 7FA combustion turbine, one heat recovery steam generator (HRSG) equipped with a duct burner for supplemental firing and one steam turbine. The turbine fires natural gas with up to 540 hours of distillate oil, the duct burner only fires natural gas.

The plant has a nominal generating capacity of approximately 250 megawatts.

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: CAITLYN P NICHOLS
1 HUNTERS POINT PLAZA
47-40 21ST ST
LONG ISLAND CITY, NY 11101

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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Facility Level

- 5 5 Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS

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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 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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38-54 VERNON BLVD
LONG ISLAND CITY, NY 11101

Facility: RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD|Lot Has Multiple Facilities / Permits On It. West Side
Of Vernon Blvd.
Queens, NY 11101

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

Permit Effective Date:

Permit Expiration Date:

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- 9 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 9 4 6 NYCRR 201-6.4 (c) (2): Compliance Certification
- 10 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 12 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 14 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 14 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 15 9 6 NYCRR 200.7: Maintenance of Equipment
- 16 10 6 NYCRR 201-1.7: Recycling and Salvage
- 16 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 16 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
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- 16 14 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 17 15 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 16 6 NYCRR 202-1.1: Required Emissions Tests
- 18 17 40 CFR Part 68: Accidental release provisions.
- 18 18 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 18 19 6 NYCRR Subpart 201-6: Emission Unit Definition
- 19 20 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 19 21 6 NYCRR 201-6.4 (f): Operational Flexibility
- 20 22 6 NYCRR 202-2.4 (a) (3): Statement dates for emissions statements.
- 20 23 6 NYCRR 211.2: Visible Emissions Limited
- 20 24 6 NYCRR 225-1.2 (d): Compliance Certification
- 21 25 6 NYCRR 225-1.6 (f): Compliance Certification
- 21 26 6 NYCRR 227-1.3 (c): Compliance Certification
- 22 27 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting

Emission Unit Level

- 22 28 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 23 29 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-CC001

- 26 30 6 NYCRR Subpart 201-6: Compliance Certification
- 27 31 6 NYCRR Subpart 201-6: Compliance Certification
- 28 32 6 NYCRR Subpart 201-6: Compliance Certification
- 28 33 6 NYCRR Subpart 201-6: Compliance Certification
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- 32 37 6 NYCRR Subpart 201-6: Compliance Certification
- 33 38 6 NYCRR Subpart 201-6: Compliance Certification
- 34 39 6 NYCRR 227-1.4 (a): Compliance Certification
- 35 40 6 NYCRR Subpart 231-2: Compliance Certification

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- 35 41 6 NYCRR Subpart 231-2: Compliance Certification
- 36 42 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,Proc=PC1

- 37 43 6 NYCRR 231-2.5: Compliance Certification
- 37 44 6 NYCRR 231-2.5: Compliance Certification

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- 38 45 6 NYCRR 231-2.5: Compliance Certification
- 39 46 6 NYCRR 231-2.5: Compliance Certification

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- 40 47 6 NYCRR 231-2.5: Compliance Certification
- 41 48 6 NYCRR 231-2.5: Compliance Certification

EU=U-CC001,Proc=PC4

- 41 49 6 NYCRR 231-2.5: Compliance Certification
- 42 50 6 NYCRR 231-2.5: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC1

- 43 51 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 52 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 53 40CFR 52.21(j), Subpart A: Compliance Certification
- 45 54 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC2

- 46 55 40CFR 52.21(j), Subpart A: Compliance Certification
- 47 56 40CFR 52.21(j), Subpart A: Compliance Certification
- 47 57 40CFR 52.21(j), Subpart A: Compliance Certification
- 48 58 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC3

- 49 59 40CFR 52.21(j), Subpart A: Compliance Certification
- 49 60 40CFR 52.21(j), Subpart A: Compliance Certification
- 50 61 40CFR 52.21(j), Subpart A: Compliance Certification
- 51 62 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC4

- 52 63 40CFR 52.21(j), Subpart A: Compliance Certification
- 52 64 40CFR 52.21(j), Subpart A: Compliance Certification
- 53 65 40CFR 52.21(j), Subpart A: Compliance Certification
- 54 66 40CFR 52.21(j), Subpart A: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

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- 57 67 ECL 19-0301: Contaminant List
- 58 68 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 59 69 6 NYCRR 201-6.5 (a): Compliance Demonstration
- 59 70 6 NYCRR 201-6.5 (a): Compliance Demonstration
- 60 71 6 NYCRR 211.1: Air pollution prohibited
- 61 72 6 NYCRR 242-1.5: Compliance Demonstration
- 62 73 6 NYCRR 242-1.5: Compliance Demonstration

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- 63 74 6 NYCRR 253-1.4: Compliance Demonstration
 - 64 75 6 NYCRR 253-1.7: Compliance Demonstration
- Emission Unit Level**
- EU=U-CC001**
- 66 76 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 record keeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
Hunters Point Plaza

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47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2026.
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 for cooking or processing food.

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- (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:

Any person who owns or operates an air contamination source which is equipped with an

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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

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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.

Condition 17: Accidental release provisions.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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:40CFR 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-CC001

Emission Unit Description:

EMISSION UNIT UCC001 REPRESENTS ONE GE
S107FA COMBUSTION TURBINE RATED AT 1779

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT AND 2028 MMBTU/HR WHEN FIRING DISTILLATE OIL (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT. THE COMBUSTION TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR (HIGH HEATING VALUE) WHILE FIRING NATURAL GAS. THE COMBINED CYCLE FACILITY GENERATES APPROXIMATELY 250 MW OF POWER.

DISTILLATE OIL USED IN THIS EMISSION UNIT WILL BE ULTRA-LOW-SULFUR FUEL OIL (< 0.0015% SULFUR BY WEIGHT). AS REFERENCED IN SOME OTHER PERMIT CONDITIONS, DISTILLATE OIL IS INTERCHANGABLE WITH KEROSENE.

Building(s): CCRAV01

**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
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.

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Facility DEC ID: 2630400024

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**

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

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site or at a Department approved alternative location for a minimum of five years.

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

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

**Condition 25: Compliance Certification
 Effective for entire length of Permit**

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain records of excess emissions. The owner or operator must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance(s) takes place. These records must be kept on site or at a Department approved alternative location for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 26: Compliance Certification
 Effective for entire length of Permit**

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 27: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 72

Item 27.1: 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.

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

**Condition 28: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:

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

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Emission Unit: U-CC001

Emission Point: CC001

Height (ft.): 400 Diameter (in.): 222
 NYTMN (km.): 4512.613 NYTME (km.): 588.961 Building: CCRAV01

**Condition 29: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 29.1:

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

Emission Unit: U-CC001

Process: PC1 Source Classification Code: 2-01-002-01

Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT OPERATING AT 40-100% LOAD. PROCESS PC1 FOR EMISSION UNIT UCC001 REPRESENTS NATURAL GAS FIRING IN THE TURBINE AND NO DUCT BURNER FIRING. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. TOTAL THROUGHPUT VALUES LISTED BELOW REPRESENT MAXIMUM NATURAL GAS USE FOR THE SHORT-TERM (HOURLY) BASIS WHILE THE ANNUAL QUANTITY PER YEAR OF NATURAL GAS REPRESENTS TURBINE OPERATIONS AT THE AVERAGE ANNUAL TEMPERATURE (54.6 DEGREES FAHRENHEIT).

Emission Source/Control: ESCC1 - Combustion

Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control

Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 29.2:

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

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Emission Unit: U-CC001
 Process: PC2 Source Classification Code: 2-01-009-01
 Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 2028 MMBTU/HR WHEN FIRING DISTILLATE OIL (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT OPERATING AT 40-100% LOAD. PROCESS PC2 FOR EMISSION UNIT UCC001 REPRESENTS DISTILLATE OIL FIRING IN THE TURBINE AND NO DUCT BURNER FIRING. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. DISTILLATE OIL USE WILL BE LIMITED TO 540 HOURS PER YEAR OF OPERATION. MAXIMUM TOTAL THROUGHPUT OF DISTILLATE OIL ON AN HOURLY BASIS, REPRESENTS TURBINE OPERATIONS AT -5 DEGREES FAHRENHEIT AT FULL LOAD.

DISTILLATE FUEL USED IS ULTRA LOW SULFUR FUEL OIL. AS REFERENCED IN SOME OTHER PERMIT CONDITIONS, DISTILLATE OIL IS INTERCHANGABLE WITH KEROSENE.

Emission Source/Control: ESCC1 - Combustion
 Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
 Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 29.3:

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

Emission Unit: U-CC001
 Process: PC3 Source Classification Code: 2-01-002-01
 Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT OPERATING AT 40-100% LOAD. THE COMBUSTION

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR WHILE FIRING NATURAL GAS. PROCESS PC3 FOR EMISSION UNIT UCC001 REPRESENTS NATURAL GAS FIRING IN THE GAS TURBINE AND DUCT BURNER. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. TOTAL THROUGHPUT VALUES LOCATED BELOW REPRESENT NATURAL GAS USE FOR THE SHORT-TERM (HOURLY) BASIS WHILE THE ANNUAL QUANTITY PER YEAR OF NATURAL GAS REPRESENTS TURBINE OPERATIONS AT THE AVERAGE ANNUAL TEMPERATURE (54.6 DEGREES FAHRENHEIT).

Emission Source/Control: 0DB01 - Combustion
 Design Capacity: 644 million Btu per hour

Emission Source/Control: ESCC1 - Combustion
 Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
 Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 29.4:

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

Emission Unit: U-CC001
 Process: PC4 Source Classification Code: 2-01-009-01
 Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 2028 MMBTU/HR WHEN FIRING DISTILLATE OIL (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT OPERATING AT 85-100% LOAD. THE COMBUSTION TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR WHILE FIRING NATURAL GAS. PROCESS PC4 FOR EMISSION UNIT UCC001 REPRESENTS DISTILLATE OIL FIRING IN THE GAS TURBINE, WHILE NATURAL GAS IS FIRED IN THE DUCT BURNER. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

DISTILLATE OIL USE WILL BE LIMITED TO 540 HOURS PER YEAR OF OPERATION. MAXIMUM TOTAL THROUGHPUT OF DISTILLATE OIL, ON AN HOURLY BASIS, REPRESENTS TURBINE OPERATIONS AT -5 D F AT FULL LOAD.

DISTILLATE FUEL USED IS ULTRA LOW SULFUR FUEL OIL. AS REFERENCED IN SOME OTHER PERMIT CONDITIONS, DISTILLATE OIL IS INTERCHANGABLE WITH KEROSENE.

Emission Source/Control: 0DB01 - Combustion
Design Capacity: 644 million Btu per hour

Emission Source/Control: ESCC1 - Combustion
Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Condition 30: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

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

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This facility shall install, calibrate, maintain and operate a continuous emissions monitor for total carbon monoxide, during fuel switch/transfer.

The facility will collect, maintain and report to NYSDEC the emissions during the fuel switch/transfer instances.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Data points has been established by past instances and NYSDEC established the emission limit for fuel switch/transfer period as under. All records shall be maintained by the facility for a minimum of five years.

CO: 50 pounds per fuel switching event

Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 50 pounds per event
 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 31: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 31.1:
 The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 31.2:
 Compliance Certification shall include the following monitoring:

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

Monitoring Description:
 Fuel switching maintenance (from gas to oil then back from oil to gas) shall be limited to 1 hour per occurrence.

All records (date, start time, end time) pertaining to fuel switching for maintenance shall be kept and maintained by the facility for a minimum of five years.

Parameter Monitored: FUEL
 Upper Permit Limit: 1 hours
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This facility shall install, calibrate, maintain and operate a continuous emissions monitor for oxides of nitrogen, during fuel switch/transfer.

The facility will collect, maintain and report to NYSDEC the emissions during the fuel switch/transfer instances.

Data points has been established by past instances and NYSDEC established the emission limit for fuel switch/transfer period as under. All records shall be maintained by the facility for a minimum of five years.

NOx: 500 pounds per fuel switching event

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 500 pounds per event

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 33: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 33.1:

The Compliance Certification activity will be performed for:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Emission Unit: U-CC001

Item 33.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Start-up is defined as the period that begins when the combustion turbine generator engine is first fired with fuel and ends when the combustion turbine generator engine begins operating in Mode 6Q plus 60 minutes, not to exceed 6 hours per occurrence.

The emission limit of 800 pounds for total NO_x emissions per start-up of natural gas event not exceeding six (6) hours applies to the combustion turbine indicated in this condition. The owner/operator shall record the date and time of each period of start up. The emissions in excess of this limit shall be reported in the excess emission report. All records shall be maintained at the facility for a period of at least five (5) years.

Mode 6Q is a GE Frame 7FA operating mode that indicates the combustion turbine unit has gotten into a steady-state operating condition (full load). It is the last mode as a combustion turbine unit comes up on MW load (this is standard for all Frame 7FA combustion turbines).

After mode 6Q is achieved during start-up, the operators then begin to add ammonia, emission controls and balance out the auxiliary equipment in order to complete the start-up. This is similar on distillate oil start-ups, where water injection is modified after the unit achieves Mode 6Q operation to control emissions (as well as ammonia and balance of the facility).

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 6 hours

Reference Test Method: EPA Authorized

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).

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Condition 34: Compliance Certification
Effective for entire length of Permit**Applicable Federal Requirement: 6 NYCRR Subpart 201-6****Item 34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Shutdown is defined as the period of time when the stop signal is initiated to when fuel is no longer combusted in the combustion turbine generator engine or a subsequent start is initiated, not to exceed thirty (30) minutes per occurrence.

The emission limit of 40 pounds for total NO_x emissions per shutdown event not exceeding thirty (30) minutes per occurrence applies to the combustion turbine indicated in this condition. The owner or operator shall record the date and time of each period of shut down. The emissions in excess of this limit shall be reported in the excess emission report. All records shall be maintained at the facility for a period of at least five (5) years.

Mode 6Q is a GE Frame 7FA operating mode that indicates the combustion turbine unit has gotten into a steady-state operating condition (full load). It is the last mode as a combustion turbine unit comes up on MW load (this is standard for all Frame 7FA Combustion turbines).

After mode 6Q is achieved during start-up, the operators then begin to add ammonia, emission controls and balance out the auxiliary equipment in order to complete the start-up. This is similar on distillate oil start-ups, where water injection is modified after the unit achieves Mode 6Q operation to control emissions (as well as ammonia and balance of the facility).

Conversely, on a shutdown, the combustion turbine unit comes out of Mode 6Q on the downside. The combustion turbine unit cannot achieve compliance when not running in Mode 6Q. On a shutdown, the combustion turbine comes out of Mode 6Q on the downside.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 30 minutes

Reference Test Method: EPA Authorized

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 35: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This facility shall install, calibrate, maintain and operate a continuous emissions monitor for oxides of nitrogen.

This limit shall apply only during shut-down (as defined in the permit) period. Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: CEM by approved Manufacturer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 40 pounds

Reference Test Method: EPA Authorized

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).

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Condition 36: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This facility shall install, calibrate, maintain and operate a continuous emissions monitor for oxides of nitrogen.

This limit shall apply only during periods of start-up period (as defined in the permit). Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 800 pounds

Reference Test Method: EPA Authorized

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 37: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 37.2:

Compliance Certification shall include the following monitoring:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

Monitoring Description:

Fuel Switch/Transfer is defined as the period of time from initiation of the fuel transfer process in the combustion turbine generator engine until the fuel transfer process is completed. Such fuel switch shall not to exceed four (4) hours per occurrence. The owner/operator shall log each period (date, time) of fuel transfer. The emissions in excess of this limit shall be reported in the excess emission report. All records shall be maintained at the facility for a period of at least five (5) years.

Mode 6Q is a GE Frame 7FA operating mode that indicates the combustion turbine unit has gotten into a steady-state operating condition (full load). It is the last mode as a combustion turbine unit comes up on MW load (this is standard for all Frame 7FA combustion turbines). After mode 6Q is achieved during start-up, the operators then begin to add ammonia, emission controls and balance out the auxiliary equipment in order to complete the start-up. This is similar on distillate oil start-ups, where water injection is modified after the unit achieves Mode 6Q operation to control emissions (as well as ammonia and balance of the facility).

Parameter Monitored: DURATION

Upper Permit Limit: 4 hours

Reference Test Method: EPA Authorized

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 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 38.2:

Compliance Certification shall include the following monitoring:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

Monitoring Description:

Fuel switching maintenance (from gas to oil then back from oil to gas) shall be limited to 30 times in a calendar year.

All records (date, start time, end time) pertaining to fuel switching for maintenance shall be kept and maintained by the facility for a minimum of five years.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 30 number (or quantity) per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 39: Compliance Certification
Effective for entire length of Permit**

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

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM) and maintain a record of all measurements made by the COM and the hours of COM downtime. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

99.2 Tons per year VOC emission limit.

Ravenswood will show complinace with VOC limit by the following equation:

Annual Heat Input for natural gas mmBtu x 0.0002 lb/mmBtu
(2022 Stack test) + Annual Heat input for fuel oil (mmBtu
x 0.00041 lb/mmBtu (AP 42, Table 3.1-2a)

Latest stack test no. shall be used for Natural Gas.

Parameter Monitored: VOC

Upper Permit Limit: 99.2 tons per year

Reference Test Method: Method 25A

Monitoring Frequency: Once every five years

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 41.1:

The Compliance Certification activity will be performed for:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

142 Tons Per Year NO_x emission limit.

Ravenswood will use a CEM system to monitor NO_x emissions at the stack.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 142 tons per year

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Alternate fuel usage (kerosene) in the combustion turbine is limited to 11.32 million gallons per year. An approvable alternative monitoring method in accordance with appendix d of 40 subpart 75, EPA formula D-2 and D-12 including fuel flow and fuel sulfur content has been developed.

Parameter Monitored: KEROSENE

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Upper Permit Limit: 11.32 million gallons
 Monitoring Frequency: CONTINUOUS
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
 Process: PC1

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1.2 ppm (by volume, dry, corrected to 15% O₂)

VOC emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel with no fuel firing in the duct burner. Ravenswood will show compliance with VOC emissions by stack testing.

Parameter Monitored: VOC

Upper Permit Limit: 1.2 parts per million by volume
 (dry, corrected to 15% O₂)

Reference Test Method: epamethod 25a

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 44: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 44.1:

The Compliance Certification activity will be performed for:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.0 parts per million by volume (dry, corrected to 15% O₂)

VOC emission limit during kerosene firing in the gas turbine based upon high heating value (hhv) of fuel with no fuel firing in the duct burner. Facility will show compliance with VOC limit by stack testing.

Parameter Monitored: VOC

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

Reference Test Method: epa method 25a

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 46: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-2.5

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Process: PC2

Regulated Contaminant(s):

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

9 PPM (by volume, dry, corrected to 15% O₂)

NO_x emission limit during kerosene firing in the gas turbine based upon high heating value (hhv) of fuel with no fuel firing in the duct burner. Facility will use a CEM system to monitor NO_x emissions at the stack.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Manufacturer Name/Model Number: CEM
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 9.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: epa method 7E
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR BLOCK AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 47: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-2.5

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
 Process: PC3

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:

3.1 PPM (by volume, dry, corrected to 15% O2)

NOx emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel. This emission limit applies to turbine and the duct burner operating simultaneously on natural gas. Ravenswood will use a cem to monitor NOx emissions at the stack.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: CEM
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 3.1 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: epa method 7e
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR BLOCK AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC3

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

7.6 ppm (by volume, dry, corrected to 15% O₂)

VOC emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel. This emission limit applies to turbine and the duct burner operating simultaneously on natural gas. Ravenswood will show compliance with VOC emissions by stack testing.

Parameter Monitored: VOC

Upper Permit Limit: 7.6 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: epa method 251

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC4

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

VOC emission limit during kerosene firing based upon high heating value (hhv) of fuel. This emission limit applies to Turbine firing Kerosene while natural gas fuel firing in the duct burner. Facility will show compliance with VOC emissions by stack testing.

Parameter Monitored: VOC
 Upper Permit Limit: 9.7 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: epa method 25a
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC1

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.021 lb/mmbtu PM-10 emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel with no firing in the duct burner. Ravenswood will show compliance with pm-10 emission limit by stack testing.

Parameter Monitored: PM-10
 Upper Permit Limit: 0.021 pounds per million Btus
 Reference Test Method: METH201/201A & 202
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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:40CFR 52.21(j), Subpart A

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC1

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0022 pounds per million Btus of Sulfuric Acid for the
 gas turbine alone (duct burner off) firing natural gas.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0022 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC1

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

5 ppm (by volume, dry, corrected to 15% O₂)
 Ammonia emission limit during natural gas firing in the turbine with no fuel firing in the duct burner. This emission limit applies at all loads except during startup and shutdown (not to exceed three hours per occurrence). Ammonia emissions will be controlled through proper operation of the SCR.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

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

Reference Test Method: Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-hour average

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 54: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC1

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

Item 54.2:

Compliance Certification shall include the following monitoring:

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

2 ppm (by volume, dry, corrected to 15% O₂)
 CO emission limit during natural gas firing in the turbine based upon high heating value (hhv) of fuel with no firing in the duct burner. This emission limit applies at all loads. Ravenswood will use CEM system to monitor CO emissions at the stack.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Manufacturer Name/Model Number: CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC2

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:
 0.057 LB/MMBTU

PM-10 emission limit during kerosene firing in the gas turbine based upon high heating value (hhv) of fuel with no fuel firing in the duct burner. facility will show compliance with pm-10 emissions limit by stack testing.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Parameter Monitored: PM-10
 Upper Permit Limit: 0.057 pounds per million Btus
 Reference Test Method: METH201/201A & 202
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC2

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.014 pounds per million Btus of Sulfuric Acid.
 For the Gas Turbine alone firing Kerosene (Duct Burner
 OFF).

Parameter Monitored: SULFURIC ACID
 Upper Permit Limit: 0.014 pounds per million Btus
 Reference Test Method: Method 8
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 57: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC2

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5 ppm (by volume, dry, corrected to 15% O2)

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

CO emission limit during kerosene firing in the gas turbine based upon high heating value (hhv) of fuel with no fuel firing in the duct burner. Facility will use a CEM system to monitor co emissions at the stack.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: APPENDIX F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 58: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC2

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:

5 ppm (by volume, dry, corrected to 15% O2)

Ammonia emission limit during kerosene firing in the turbine with no fuel firing in the duct burner. This emission limit applies at all loads except during startup and shutdown (not to exceed three hours per occurrence). Ammonia emissions will be controlled through proper operation of the SCR.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Parameter Monitored: AMMONIA
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-hour average
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 59: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC3

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

0.021 lb/mmbtu PM-10 emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel. This emission limit applies to turbine and the duct burner operating simultaneously on natural gas. Ravenswood will show compliance with pm-10 emission limit by stack testing.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Parameter Monitored: PM-10
 Upper Permit Limit: 0.021 pounds per million Btus
 Reference Test Method: METH201/201A & 202
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 60: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC3

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0022 pounds per million Btus of Sulfuric Acid for the gas turbine with a duct burner firing natural gas.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0022 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 61: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC3

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:

5 ppm (by volume, dry, corrected to 15% o2)
 Ammonia emission limit during natural gas firing in the turbine with duct burner firing. This emission limit applies at all loads except during startup and shutdown (not to exceed three hours per occurrence). Ammonia emissions will be controlled through proper operation of

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

the SCR.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers

Manufacturer Name/Model Number: Continuous Emissions Monitor
 Parameter Monitored: AMMONIA
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-hour average
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 62: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC3

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

Item 62.2:

Compliance Certification shall include the following monitoring:

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

3.9 ppm (by volume, dry, corrected to 15% O2)
 CO emission limit during natural gas firing in the gas turbine based upon high heating value (hhv) of fuel. This emission limit applies to turbine and the duct burner operating simultaneously on natural gas. Ravenswood will use a cem to monitor co emissions at the stack.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 3.9 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

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

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC4

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:
 0.057 LB/MMBTU

PM-10 emission limit during kerosene firing based upon high heating value (hhv) of fuel. This emission limit applies to the turbine firing kerosene while the duct burner fires natural gas. Facility will show compliance with PM-10 emission limit by stack testing.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Parameter Monitored: PM-10
 Upper Permit Limit: 0.057 pounds per million Btus
 Reference Test Method: METH201/201A & 202
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Process: PC4

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:
0.014 pounds per million Btus

Sulfuric Acid for the Gas Turbinewith duct burner firing
Kerosene.

Parameter Monitored: SULFURIC ACID
Upper Permit Limit: 0.014 pounds per million Btus
Reference Test Method: Method 8
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC4

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:
5.4 ppm (by volume, dry, corrected to 15% O2)

CO emission limit during Kerosene firing based upon high heating value (hhv) of fuel. This emission limit applies to the turbine firing Kerosene while the duct burner fires natural gas. Facility will use a CEM to monitor CO emissions at the stack.

This is applicable for steady state operation, excluding

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period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: CEM
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 5.4 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

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

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
 Process: PC4

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5 PPM (by volume, dry, corrected to 15% O₂)

Ammonia emission limit during kerosene firing in the turbine with duct burner firing. This emission limit applies at all loads except during startup and shutdown (not to exceed three hours per occurrence). Ammonia emissions will be controlled through proper operation of the SCR.

This is applicable for steady state operation, excluding period of start-up, shut-down and fuel transfers.

Manufacturer Name/Model Number: Continuous Emissions Monitor
 Parameter Monitored: AMMONIA
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: Appendix F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-hour average

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Facility DEC ID: 2630400024

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

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Facility DEC ID: 2630400024

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 67: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement: ECL 19-0301

Item 67.1:

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: 007664-41-7
Name: AMMONIA

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

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

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

CAS No: 0NY750-00-0

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Name: CARBON DIOXIDE EQUIVALENTS

CAS No: 0NY998-00-0

Name: VOC

**Condition 68: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit****Applicable State Requirement: 6 NYCRR 201-1.4****Item 68.1:**

(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 69: Compliance Demonstration

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Effective for entire length of Permit

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

Item 69.1:

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

Emission Unit: U-CC001	
Process: PC1	Emission Source: ESCC1
Emission Unit: U-CC001	
Process: PC2	Emission Source: ESCC1
Emission Unit: U-CC001	
Process: PC3	Emission Source: ESCC1
Emission Unit: U-CC001	
Process: PC4	Emission Source: ESCC1

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to minimize greenhouse gas emissions from the combustion turbine, the facility owner or operator shall engage in an independent assessment and tuning of the combustion turbine once every three years. Each such tuning shall be conducted no more than 36 months from the date of the previous event. The facility owner or operator shall maintain a record of the date of each tuning and all work performed on the turbine at the facility for a period of at least five years from the date of the record. Records kept pursuant to this condition must be made available to the Department upon request.

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 70: Compliance Demonstration
Effective for entire length of Permit

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

Item 70.1:

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

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Emission Unit: U-CC001
Process: PC2

Emission Unit: U-CC001
Process: PC4

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

Item 70.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

- a. In order to minimize greenhouse gas emissions from the indicated processes, distillate oil use is limited to 540 hours per year on a rolling 12-month total basis. The facility owner or operator shall compile and maintain a record of all distillate fuel fired in the processes described above. Such records shall include the date, time, and amount of fuel fired. The facility owner or operator shall keep all records generated pursuant to this condition at the facility for a period of at least five years from the date of the record.
- b. In the event of an electric grid reliability issue, the facility owner or operator may suspend this limit for the duration of the reliability need. The facility owner or operator must notify the Department of each such situation as soon as practicable, but no later than two days from the start of the increased oil firing. The facility owner or operator shall indicate on the records described above if the distillate oil firing is due to an electric system reliability need.
- c. Records kept pursuant to this condition must be made available to the Department upon request.

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 540 hours per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, 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 71: Air pollution prohibited
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 211.1

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Item 71.1:

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

**Condition 72: Compliance Demonstration
Effective for entire length of Permit****Applicable State Requirement: 6 NYCRR 242-1.5****Item 72.1:**

The Compliance Demonstration activity will be performed for the Facility.

Item 72.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- (1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.
- (2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.
- (3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.

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Facility DEC ID: 2630400024

(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 73: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-1.5

Item 73.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 73.2:

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.

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Facility DEC ID: 2630400024

(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 74: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 253-1.4

Item 74.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 74.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of facilities that contain emission sources specified in Section 253-1.2 of this Part must monitor emissions and submit emissions data reports to the

Permit ID: 2-6304-00024/00039

Facility DEC ID: 2630400024

Department, except as otherwise provided in Part 253, following the requirements specified in 40 CFR Sections 98.3 through 98.4 (Amended November 18, 2024) (see Table 1, section 200.9 of this Title).

Owners or operators shall submit emissions data reports and any revisions to the reports through the NYS e-GGRT platform, or any other reporting tool approved by the Department that will guarantee transmittal and receipt of data and information required by Part 253. Each owner or operator must submit an emissions data report for the previous calendar year no later than June 1st of the current calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 75: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 253-1.7

Item 75.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of each large emission source that is required to report greenhouse gases under this Part, which emits 25,000 metric tons or greater of CO₂e, must keep records as required by 40 CFR Sections 98.3(g) through (h) (Amended November 18, 2024) (see Table 1, section 200.9 of this Title) and as specified in this Subpart or as prescribed in the relevant Section(s) of Subpart 253-2 of this Part.

The following sources must maintain records on-site or at an alternative location approved by the Department for a period of ten years from the date of emissions data report certification:

- (1) Large emission sources as specified in paragraph 253-1.2(f) of this Part, and
- (2) Any emission source that is required under Subpart 253-4 of this Part to verify its emissions.

Copies of any records or other materials maintained under the requirements of 40 CFR Part 98 (Amended November 18,

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2024) (see Table 1, section 200.9 of this Title) or this Part must be made available to the Department upon request within 14 days of receipt of such request by the designated representative of the reporting entity, unless a different schedule is agreed to by the Department.

Emission sources must maintain the following records, including but not limited to:

- (1) Information used to quantify or report emissions and product data in the emissions data report, underlying monitoring and metering data, invoices of receipts or deliveries, sales transaction data, calculation methods, protocols used, analysis results, calibration records, electricity transaction data, and other relevant information.
- (2) A list of units, operations, processes, and activities for which GHG emissions were calculated.
- (3) The data used to calculate the GHG emissions for each unit, operation, process and activity categorized by fuel or material type. These data include but are not limited to:
 - (i) the GHG emissions calculations and methods used;
 - (ii) analytical results for the development of site-specific emission factors;
 - (iii) the results of all required analyses for high heat value, carbon content, and other required fuel or feed stock parameters;
 - (iv) emissions data and input data, industrial product data and associated inputs; data associated with thermal energy provided, sold, purchased, or acquired; and data associated with electricity provided, sold, purchased, or acquired must be sufficient to allow for verification of each emissions data report; and
 - (v) any facility operating data or process information used for the GHG calculations.
- (4) The annual GHG emissions data reports.
- (5) Missing data computations for each missing data event, the cause of each event and the corrective actions taken to restore malfunctioning monitoring equipment.
- (6) Continuous monitoring system records. The results of all required certification and quality assurance tests for continuous monitoring systems, fuel flow meters, and other instrumentation used to provide data for the GHG emissions reported under this Part.
- (7) Qualified positive verification or positive verification statements.
- (8) Department approved monitoring plan as per the requirements of subdivision 253-1.7(e).

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 76: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 76.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 76.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

This will be for Emission Unit: UCC001

Poocess: PC1

Poocess: PC2

Poocess: PC3

Poocess: PC4

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.

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Monitoring Description:

1. The facility is a major electric generating facility that has the capacity to combust both natural gas and oil, and is subject to 6 NYCRR Part 251, CO2 Performance Standards for Major Electric Generating Facilities.
2. The facility operates a combustion gas turbine that is considered a non-modified existing source under 6 NYCRR Part 251.3(b).
3. 6 NYCRR Part 251.3(b) prohibits owners or operators from firing "any single fossil fuel, alone or in combination with any other fuel, with an emission rate that is greater than or equal to 1,800 pounds of CO2 per MW hour (gross) electrical output or 180 pounds of CO2 per million BTU of input", starting January 1 of 2021.
4. The facility has tentatively decided to calculate, record and report CO2 emissions based on heat input. The 180 pound limit of CO2 per million BTU will take effect on January 1, 2021. The facility may choose to change to the output-based limit by notifying the Department prior to January 1, 2021.
5. The facility shall monitor emissions of CO2 by measuring and recording the heat input and computing CO2 emissions using Eq G-4 under section 2.3 of 40 CFR Part 75, Appendix G (hourly heat input to estimate hourly CO2 mass emissions) and Appendix F (Table 1 - F- and Fc-Factors). Appendix G calculation methods are an alternative to using a Continuous Emission Monitoring System (CEMS) to measure CO2 in 40 CFR Part 75.13(b), where Part 251.5(b)(1) calls for the installation of CO2 CEMS in accordance with 40 CFR Part 75.13.

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 180 pounds per million Btus

Reference Test Method: 40 CFR Part 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).

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