



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3556-00040/00026
Effective Date:

Expiration Date:

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 7-3556-00040/00030
Effective Date:

Expiration Date:

Permit Issued To: SITHE/INDEPENDENCE POWER PARTNERS LP
76 INDEPENDANCE WAY
OSWEGO, NY 13126

Facility: INDEPENDENCE STATION
76 INDEPENDENCE WAY
SCRIBA, NY 13126

Contact: SITHE/INDEPENDENCE POWER PARTNERS LP
76 INDEPENDANCE WAY
OSWEGO, NY 13126-5919

Description:
Renewal of Title V and Title IV Permits.

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

Permit Administrator: KEVIN M BALDUZZI
NYSDEC - REGION 7
615 ERIE BLVD W
SYRACUSE, NY 13204

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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



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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

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Facility DEC ID: 7355600040



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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76 INDEPENDANCE WAY
OSWEGO, NY 13126

Facility: INDEPENDENCE STATION
76 INDEPENDENCE WAY
SCRIBA, NY 13126

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

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 211.2: Visible Emissions Limited
- 24 6 NYCRR 225-1.2 (g): Compliance Certification
- 25 6 NYCRR 225-1.2 (h): Compliance Certification
- 26 6 NYCRR 225-1.6 (f): Compliance Certification
- 27 40CFR 52.21, Subpart A: Compliance Certification
- 28 40CFR 52.21, Subpart A: Compliance Certification
- 29 40CFR 52.21, Subpart A: Compliance Certification
- 30 40CFR 52.21, Subpart A: Compliance Certification
- 31 40CFR 60, NSPS Subpart IIII: Compliance Certification
- 32 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 33 40CFR 63, Subpart JJJJJ: Compliance Certification
- 34 40CFR 63, Subpart ZZZZ: Compliance Certification
- 35 40CFR 63, Subpart ZZZZ: Compliance Certification
- 36 40 CFR Part 98: Mandatory greenhouse gas reporting

Emission Unit Level

- 37 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 38 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-00AUX

- 39 6 NYCRR Subpart 227-2: Compliance Certification
- 40 6 NYCRR 227-2.5 (b): Compliance Certification

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- 41 6 NYCRR 227-2.6 (b): Compliance Certification
- 42 40CFR 52.21, Subpart A: Compliance Certification
- 43 40CFR 60, NSPS Subpart Db: Compliance Certification

EU=1-00AUX,EP=00005

- 44 6 NYCRR 227-1.3: Compliance Certification
- 45 40CFR 52.21, Subpart A: Compliance Certification
- 46 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification

EU=1-00AUX,EP=00005,Proc=AXD

- 47 40CFR 52.21, Subpart A: Compliance Certification
- 48 40CFR 52.21, Subpart A: Compliance Certification
- 49 40CFR 52.21, Subpart A: Compliance Certification
- 50 40CFR 52.21, Subpart A: Compliance Certification
- 51 40CFR 52.21, Subpart A: Compliance Certification
- 52 40CFR 52.21, Subpart A: Compliance Certification
- 53 40CFR 52.21, Subpart A: Compliance Certification
- 54 40CFR 52.21, Subpart A: Compliance Certification

EU=1-00AUX,EP=00005,Proc=AXG

- 55 40CFR 52.21, Subpart A: Compliance Certification
- 56 40CFR 52.21, Subpart A: Compliance Certification
- 57 40CFR 52.21, Subpart A: Compliance Certification
- 58 40CFR 52.21, Subpart A: Compliance Certification
- 59 40CFR 52.21, Subpart A: Compliance Certification
- 60 40CFR 52.21, Subpart A: Compliance Certification
- 61 40CFR 52.21, Subpart A: Compliance Certification
- 62 40CFR 52.21, Subpart A: Compliance Certification

EU=1-00GEN,Proc=EDG

- 63 40CFR 52.21, Subpart A: Compliance Certification
- 64 40CFR 52.21, Subpart A: Compliance Certification
- 65 40CFR 52.21, Subpart A: Compliance Certification
- 66 40CFR 52.21, Subpart A: Compliance Certification
- 67 40CFR 52.21, Subpart A: Compliance Certification
- 68 40CFR 52.21, Subpart A: Compliance Certification
- 69 40CFR 52.21, Subpart A: Compliance Certification
- 70 40CFR 52.21, Subpart A: Compliance Certification
- 71 40CFR 52.21, Subpart A: Compliance Certification
- 72 40CFR 52.21, Subpart A: Compliance Certification
- 73 40CFR 52.21, Subpart A: Compliance Certification

EU=1-00GEN,EP=00006

- 74 6 NYCRR 227-1.3: Compliance Certification

EU=1-00GTU

- 75 6 NYCRR 227-1.3: Compliance Certification
- 76 6 NYCRR Subpart 227-2: Compliance Certification
- 77 6 NYCRR 231-11.2 (c): Compliance Certification
- 78 40CFR 52.21, Subpart A: Compliance Certification



- 79 40CFR 52.21, Subpart A: Compliance Certification
- 80 40CFR 52.21, Subpart A: Compliance Certification
- 81 40CFR 52.21, Subpart A: Compliance Certification
- 82 40CFR 52.21, Subpart A: Compliance Certification
- 83 40CFR 52.21, Subpart A: Compliance Certification
- 84 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 85 40CFR 60.7(a), NSPS Subpart A: Modification Notification
- 86 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 87 40CFR 60, NSPS Subpart GG: Compliance Certification
- 88 40CFR 60, NSPS Subpart KKKK: Compliance Certification
- 89 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 90 40CFR 97.606, Subpart CCCCC: Compliance Certification
- 91 40CFR 97, Subpart EEEEE: Compliance Certification

EU=1-00GTU,Proc=GTB

- 92 40CFR 52.21, Subpart A: Compliance Certification
- 93 40CFR 52.21, Subpart A: Compliance Certification
- 94 40CFR 52.21, Subpart A: Compliance Certification
- 95 40CFR 52.21, Subpart A: Compliance Certification
- 96 40CFR 52.21, Subpart A: Compliance Certification
- 97 40CFR 52.21, Subpart A: Compliance Certification
- 98 40CFR 52.21, Subpart A: Compliance Certification
- 99 40CFR 60, NSPS Subpart Db: Compliance Certification

EU=1-00GTU,Proc=GTN

- 100 40CFR 52.21, Subpart A: Compliance Certification
- 101 40CFR 52.21, Subpart A: Compliance Certification
- 102 40CFR 52.21, Subpart A: Compliance Certification
- 103 40CFR 52.21, Subpart A: Compliance Certification
- 104 40CFR 52.21, Subpart A: Compliance Certification
- 105 40CFR 52.21, Subpart A: Compliance Certification
- 106 40CFR 52.21, Subpart A: Compliance Certification
- 107 40CFR 52.21, Subpart A: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 108 ECL 19-0301: Contaminant List
- 109 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 110 6 NYCRR 211.1: Air pollution prohibited
- 111 6 NYCRR Part 242: Compliance Demonstration

Emission Unit Level

EU=1-00GTU

- 112 6 NYCRR 251.3 (a): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

ii. The liability of a permittee of the Title V



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

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

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

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

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

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

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

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

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

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

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



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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective 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: Records of Monitoring, Sampling, and Measurement
Effective for entire length of Permit

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

Item 4.1:

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



reports required by the permit.

**Condition 5: Compliance Certification
Effective for entire length of Permit**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



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

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

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

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

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

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



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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 6: Compliance Certification
Effective for entire length of Permit**

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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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
Region 7 Suboffice
1679 NY Route 11
Kirkwood, NY 13795-9772

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway

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Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2020.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow



or permit the burning of any materials in an open fire.

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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



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

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

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

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

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

Item 13.1:

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

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

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



Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

**Condition 19: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,



Emission Unit: 1-00GTU

Emission Unit Description:

This emission unit consists of four GE MS 7001 FA gas turbine units with dry low NO_x burners, heat recovery steam generators (HRSG) and duct burners. Each of the four gas units exhausts through its own separate stack. Each HRSG includes a selective catalytic reduction (SCR) system.

The combustion turbines were upgraded to include: (1) General Electric's 2.6e combustion system; (2) the Advanced Gas Path system; and (3) General Electric's Mark VIe software controls.

The combustion turbines are subject to the federal Cross State Air Pollution Rules. The facility must comply with the CSAPRs at 40 CFR Part 97.

Building(s): 1

**Condition 22: Progress Reports Due Semiannually
Effective for entire length of Permit**

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

Item 22.1:

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 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 (g)

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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 and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications or grab sample analysis.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner and/or operator of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

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

Reference Test Method: ASTM

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion

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installation that fires distillate oil other than number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications or grab sample analysis.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner and/or operator of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

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
Reference Test Method: ASTM
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
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

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

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:

Facility owners subject to this Subpart 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 takes place.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and

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must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sulfur content of fuel burned at the facility shall not exceed 0.05% by weight.

Sampling and analysis must be done on a quarterly basis unless the natural gas can be documented, to the satisfaction of the Department and in accordance with 40 CFR 75 Appendix D subsection 2.3.1.4, that it meets the definition of "pipeline natural gas" (as defined in 40 CFR 72.2).

Please note:

The definition of "natural gas" does not meet the sulfur content limit required by this condition, but the definition of "pipeline natural gas" does meet this limit.

"Pipeline natural gas" means a naturally occurring fluid mixture of hydrocarbons (e.g., methane, ethane, or propane) produced in geological formations beneath the Earth's surface that maintains a gaseous state at standard atmospheric temperature and pressure under ordinary conditions, and which is provided by a supplier through a pipeline. Pipeline natural gas contains 0.5 grains or less of total sulfur per 100 standard cubic feet. Additionally, pipeline natural gas must either be composed of at least 70 percent methane by



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volume or have a gross calorific value between 950 and 1100 Btu per standard cubic foot.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NATURAL GAS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.05 percent by weight
Reference Test Method: ASTM
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 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sulfur content of fuel burned at the facility shall not exceed 0.05% by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.05 percent by weight
Reference Test Method: ASTM
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 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

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Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owner/operator shall continuously monitor ambient air temperatures within an accuracy of +/- 1 deg F.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owner/operator must monitor and record the type and amount of fuel burned in the gas turbines, duct burners, and diesel generator. Such data must be accurate to within +/- 5%.

Monitoring Frequency: CONTINUOUS

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:40CFR 60, NSPS Subpart IIII

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility has, on site, emergency stationary internal combustion engines.

Each subject stationary internal combustion engine at this facility shall comply with the applicable provisions of 40 CFR Part 60, Subpart III.

The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart III and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart III. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart JJJ and 40 CFR Part 63, Subpart ZZZZ. The annual reports are due within 30 days after the end of the calendar year.

Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

1. the engine(s) involved in the change meet the definition of "emergency stationary internal combustion engine" in section 60.4219,
2. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart III;
3. the change will not cause the facility to become subject to any additional applicable requirement;



4. the change will not cause the facility to be out of compliance with any applicable requirement;

5. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility has, on site, emergency stationary internal combustion engines.

Each subject stationary internal combustion engine at this facility shall comply with the applicable provisions of 40 CFR Part 60, Subpart JJJJ.

The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart JJJJ and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart JJJJ. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart ZZZZ. The annual reports

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are due within 30 days after the end of the calendar year.

Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

1. the engine(s) involved in the change meet the definition of “emergency stationary internal combustion engine” in section 60.4248,
2. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart JJJJ;
3. the change will not cause the facility to become subject to any additional applicable requirement;
4. the change will not cause the facility to be out of compliance with any applicable requirement;
5. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63 Subpart JJJJJJ-National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

Independence Station (Permittee) is exempt from subject to the requirements of 40 CFR 63, Subpart JJJJJJ “National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional



Boilers” for area sources of hazardous air pollutants (HAPs) pursuant to 40 CFR 63.11195(e), as the aux boilers meet the definition of "gas fired boiler." However, in the event that the facility elects to combust fuel oil in the future, the Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart JJJJJJ.

Once the aux boilers of emission unit (EU): 1-00AUX no longer satisfy the definition of "gas fired boilers," 40 CFR 63 Subpart JJJJJJ will apply. Pursuant to 40 CFR 63.11210(h), for affected boilers that switch fuels or make a physical change to the boiler that results in the applicability of a different subcategory within subpart JJJJJJ or the boiler becoming subject to subpart JJJJJJ, you must demonstrate compliance within 180 days of the effective date of the fuel switch or the physical change. Notification of such changes must be submitted according to §63.11225(g).

The two boilers are No.2 fuel oil and/ or natural gas-fired boilers, and each is rated at 250 MMBTU/hr.

I. General Compliance Requirement

The owner or operator (the Permittee) shall comply with all applicable provisions, including the notification, testing, and monitoring requirements as promulgated in 40 CFR 63, Subpart JJJJJJ, "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers," including Subpart A "General Provisions."

II. Compliance Date

1. The Permittee of an existing source, with a heat input capacity of 10 MMBTU/hr or greater, is required to comply with the tune-up and the energy assessment requirements no later than March 21, 2014. [0 CFR 63.11196]

III. Compliance Requirements

1. At all times the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [(40 CFR 63.11205(a)).

2. Boiler Tune-up

a. Initial tune-up



- i. An initial boiler tune-up is required by March 21, 2014. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within thirty days of startup. [40 CFR 63.11223]
 - b. Periodic tune-ups
 - i. A biennial tune-up is required and shall be conducted no more than 25 months after the previous tune-up. [40 CFR 63.11223(b)]
 - ii. The Permittee shall comply with the following with respect to the tune-up:
 - The permittee shall conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. [40 CFR 63.11223(a)]
 - As applicable, inspect the burner, and clean or replace any components of the burner as necessary. The Permittee may delay the burner inspection until the next scheduled unit shutdown, but must inspect each burner at least once every 36 months (72 months for 5-year tune-ups). [40 CFR 63.11223(b)]
 - Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. [40 CFR 63.11223(b)]
 - Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The Permittee may delay the air to fuel ratio inspection until the next scheduled unit shutdown, but must conduct the inspection at least once every 36 months (72 months for 5-year tune-ups). [40 CFR 63.11223(b)]
 - Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. [40 CFR 63.11223(b)]
 - Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken with a portable CO analyzer. [40 CFR 63.11223(b)]
3. A one-time initial energy assessment is required by



March 21, 2014. The energy assessment must be performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets, or is amended to meet, the energy assessment requirements in this section satisfies the energy assessment requirement. This energy assessment requirement does not apply to limited use boilers as defined in 40 CFR 63.11237. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units satisfies the energy assessment requirement. The energy assessment must include:

- a. A visual inspection of the boiler system.
- b. An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. Inventory of major systems consuming energy from affected boilers and which are under control of the boiler owner or operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A list of major energy conservation measures that are within the facility's control.
- f. A list of the energy savings potential of the energy conservation measures identified.
- g. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.
[40 CFR 63.11214(c)]

IV. Notification and Reporting Requirements

1. An Initial Notification is required by January 20, 2014. [40 CFR 63.9(b) and 40 CFR 63.11225(a) (2)]
2. The Notification of Compliance Status is required by July 19, 2014. [40 CFR 63.11225(a) (4)]
3. The compliance report must be prepared by March 1 of every other year (or every five years depending on the frequency of the tune-up requirements) starting March 1 the year following the first periodic tune-up, and submitted upon request. If the source experiences any deviations from the applicable requirements then the report must be submitted by March 15. The report must meet the requirements of 40 CFR 63.11225(b) (1-4). [40 CFR 63.11225(b) (1-4)]



V. Recordkeeping Requirements

The following records, as defined under 40 CFR 63.11225(c), shall be maintained by the Permittee:

1. Copies of all required notifications. [40 CFR 63.11225(c) (1)]
2. Tune-up records must identify each boiler, the date of tune-up, the procedures followed for tune-up, the manufacturer's specifications to which the boiler was tuned, and the following:
 - a. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler. [40 CFR 63.11223(b) (6) (i)]
 - b. A description of any corrective actions taken as a part of the tune-up of the boiler. [40 CFR 63.11223 (b) (6) (ii)]
 - c. The type and amount of fuel used over the 12 months prior to the tune-up of the boiler but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. [40 CFR 63.11223 (b) (6) (iii)]
3. A copy of the Energy Assessment Report required by 40 CFR 63.11214(c). [40 CFR 63.11214(c)]
4. Records of non-waste determinations per 40 CFR 63.11225(c) (2) (ii). [40 CFR 63.11225(c) (2) (ii)]
5. Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11225(c) (4) (iv)]
6. Keep each record for 5 years following the date of each recorded action. [40 CFR 63.11225(d)]



40 CFR 63 Subpart A-General Provisions

The Permittee shall comply with all applicable provisions of 40 CFR Subpart A as outlined in Table 8 of 40 CFR 63 Subpart JJJJJ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63 Subpart ZZZZ-National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

Independence Station (Permittee) is subject to the requirements of 40 CFR 63, Subpart ZZZZ-National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) for area sources of hazardous air pollutants (HAPs).

Notwithstanding conditions in this permit, the Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart ZZZZ.

The 40 CFR 63 Subpart ZZZZ applies to the following:

- Two existing emergency generators comprising of two identical Detroit Diesel compression ignition (CI) stationary reciprocating internal combustion engines of emission unit (EU):1-00GEN fired by fuel oil # 2, each rated at 2,010 horsepower hour (HP).
- One existing emergency fire pump engine comprising of a Caterpillar fire pump compression ignition (CI) stationary reciprocating internal combustion engine of EU: 1-00GEN, fired by fuel oil # 2 and rated at 370 HP.

The Permittee shall comply with the definition of



emergency stationary RICE in 40 CFR 63.6675 and the following provisions:

I. Compliance Date:

The compliance date for the three existing engines is May 3, 2013.

[40 CFR 63.6595 (a)]

II. General Requirements for Complying with Subpart ZZZZ

1. The Permittee must be in compliance with the emission limitations, operating limitations and other applicable requirements of Subpart ZZZZ at all times. [40 CFR 63.6605 (a)]

2. At all times, the Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to NYSDEC which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6605 (b)]

III. Emission Limitations, Management Practices and Other Requirements:

1. The Permittee shall comply with the following requirements of 40 CFR 63.6603 (a) and Table 2d, Section 4 of Subpart ZZZZ:

a. Change the oil and filter every 500 hours of operation or annually, whichever comes first. The Permittee has the option to utilize an oil analysis program as described in 63.6625(i) in order to extend the specified oil change requirements.

b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.



d. If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedules required in Table 2d of Subpart ZZZZ, or if performing the management practice on the required schedules would otherwise pose an unacceptable risk under federal, state or local law, the management practices can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice shall be performed as soon as possible after the emergency has ended or the unacceptable risk has abated. The Permittee shall report any failure to perform the management practice on the schedule required and the federal, state, or local law under which the risk was deemed unacceptable.

2. Operate and maintain the engines and after-treatment control device (if any) according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow your its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good pollution control practices for minimizing emissions. [40 CFR 63.6625 (e)]

3. Install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625 (f)]

4. The Permittee may utilize an oil analysis program in order to extend the oil change requirements specified in 63.603 (a) and Table 2d. The oil analysis must be performed at the same frequency specified for changing the oil. If any of the limits listed below are exceeded, the Permittee shall change the oil within two (2) business days of receiving the results of the analysis. If the engine is not in operation when the results of the analysis are received, then the oil must be changed within two (2) business days or before commencing operation, whichever is later.

a. Total base number is less than 30 percent of the total base number of the oil when new; or

b. Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or

c. Water content (by volume) is greater than 0.5%.

If, all of the above limits are not exceeded, the



Permittee is not required to change the oil before continuing to use the engine. [40 CFR 63.6625(i)]

5. If the Permittee does not operate the engine according to the requirements in 63.6640(f) (1) through (f) (4), then the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines. [40 CFR 63.6640 (f)]

a. There is no time limit on the use in emergency situations. [40 CFR 63.6640 (f) (1)]

b. The Permittee may operate the engine for any combination of the purposes specified in paragraphs (f) (2) (i) through (ii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situation as allowed by paragraph (f) (4) counts as part of the 100 hours per calendar year as allowed by paragraph (f) (2). [40 CFR 63.6640 (f) (2)]

- The engine may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission authority or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of the engine beyond 100 hours per calendar year. [40 CFR 63.6640 (f) (2) (i)]

- The engine may operate for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergency or other authorized entity as determined by the Reliability Coordinator has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP- 002-3. [40 CFR 63.6640 (f) (2) (ii)]

- The engine may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency. [40 CFR 63.6640 (f) (2) (iii)]

6. Pursuant to 40 CFR 63.6640(f) (4), the engine may be operated for up to 50 hours per calendar year in



non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 63.6640(f) (2). Except as provided in 63.6640 (f)(4)(i)and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.[40 CFR 63.6640 (f) (4)]

a. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for the facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. [40 CFR 63.6640 (f) (4) (i)]

b. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met [40 CFR 63.6640 (f) (4)(ii)]:

- The engine is dispatched by the local balancing authority or local transmission or distribution system operator. [40 CFR 63.6640 (f) (4) (ii) (A)]:
- The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region. . [40 CFR 63.6640 (f) (4) (ii) (B)]:
- The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines. . [40 CFR 63.6640 (f) (4) (ii) (C)]:
- The power is provided only to the facility itself or to support the local transmission and distribution system. . [40 CFR 63.6640 (f) (4) (ii) (D)]:
- The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or



local transmission and distribution system operator may keep these records on behalf of the engine owner or operator. . [40 CFR 63.6640 (f) (4) (ii) (E)]:

IV. Fuel Requirements

Pursuant to 40 CFR 63.6604(b) the following the Permittee shall comply with the following fuel requirements:

Beginning January 1, 2015, emergency engines that meet all the following conditions shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel.

- Greater than 100 brake HP;
- Displacement of less than 30 liters per cylinder;
- Operates for the purposes specified in 63.6640 (f)(4)(ii) or operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 63.6640 (f) (2) (ii) and (iii).

Any existing diesel fuel purchased prior to January 1, 2015 may be used until depleted.

The diesel fuel requirements of 40 CFR 80.510(b) are as follows: (1) Sulfur content of 15 ppm maximum; and (2) A minimum cetane index of 40, or a maximum aromatic content of 35 volume percent.

V. Recordkeeping Requirements

The Permittee shall keep records showing:

1. The Permittee must keep the records required in Table 6 of Subpart ZZZZ to show continuous compliance with each applicable emission or operating limitation in 40 CFR Part 63, Subpart ZZZZ. [40 CFR 63.6655(d)]

2. If applicable, the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.[40CFR 63.6655 (e)]

3. The hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation; including what classified the operation as emergency and



how many hours are spent for non-emergency operation. If the engine is used for purposes specified in 63.6640(f)(2)(ii) or (iii) or 63.6640 (f)(4)(ii), then the Permittee shall keep records of the notification of the emergency situation, and the date, start time and end time of the engine operation for these purposes. [40 CFR 63.6655 (f)]

4. The records must be in a form suitable and readily available for expeditious review. [40 CFR 63.6660 (a) and 40 CFR 63.10 (b) (1)]

5. The Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.6660 (b) and 40 CFR 63.10 (b) (1)]

6. The Permittee must keep each record readily accessible in hard copy or electronic form on site at the source for 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 63.10 (b)(1). [40 CFR 63.6660 (c) and 40 CFR 63.10 (b) (1)]

VI. Reporting Requirements

For an engine greater than 100 brake HP and that operates for the purposes specified in 63.6640 (f)(4)(ii), or operate or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 63.6640 (f) (2) (ii) and (iii), the Permittee shall submit an annual report to the Administrator. The report must contain the information specified at 63.6660 (h) (1) through (3), must be submitted according to the schedule specified at 63.6650 (h) (2), and in the format specified at 63.6650 (h) (3). [40 CFR 63.6650 (h)]

40 CFR 63 Subpart A-General Provisions

The Permittee shall comply with all applicable provisions of 40 CFR Subpart A as outlined in Table 8 of 40 CFR 63 Subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
Effective for entire length of Permit



Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility has, on site, emergency stationary internal combustion engines.

Each subject stationary internal combustion engine at this facility shall comply with the applicable provisions of 40 CFR Part 60, Subpart ZZZZ.

The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart ZZZZ and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart ZZZZ. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart JJJJ. The annual reports are due within 30 days after the end of the calendar year.

Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

1. the engine(s) involved in the change meet the definition of "emergency stationary RICE" in section 63.6675,

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2. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart ZZZZ;

3. the change will not cause the facility to become subject to any additional applicable requirement;

4. the change will not cause the facility to be out of compliance with any applicable requirement;

5. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Mandatory greenhouse gas reporting
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 98

Item 36.1:

40 CFR Part 98 establishes mandatory greenhouse gas (GHG) reporting requirements for owners and operators of certain facilities that directly emit GHG as well as for certain fossil fuel suppliers and industrial GHG suppliers. For suppliers, the GHGs reported are the quantity that would be emitted from combustion or use of the products supplied.

Owners and operators of facilities and suppliers that are subject to 40 CFR Part 98 must follow the requirements of subpart A and all applicable subparts of 40 CFR Part 98. If a conflict exists between a provision in subpart A and any other applicable subpart, the requirements of the applicable subpart shall take precedence.

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

**Condition 37: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 37.1:

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

Emission Unit: 1-00AUX

Emission Point: 00005

Height (ft.): 195

Diameter (in.): 72

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: 1

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Item 37.2:

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

Emission Unit: 1-00GEN

Emission Point: 00006

Height (ft.): 137

Diameter (in.): 18

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: EDGBLDG

Item 37.3:

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

Emission Unit: 1-00GTU

Emission Point: 00001

Height (ft.): 195

Diameter (in.): 222

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: 1

Emission Point: 00002

Height (ft.): 195

Diameter (in.): 222

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: 1

Emission Point: 00003

Height (ft.): 195

Diameter (in.): 222

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: 1

Emission Point: 00004

Height (ft.): 195

Diameter (in.): 222

NYTMN (km.): 4817.223 NYTME (km.): 382.831 Building: 1

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 38.1:

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

Emission Unit: 1-00AUX

Process: AXD

Source Classification Code: 1-02-005-01

Process Description:

One of two auxiliary boilers firing distillate oil.

Emission Source/Control: 0AUX1 - Combustion

Design Capacity: 250 million Btu per hour

Emission Source/Control: 0AUX2 - Combustion

Design Capacity: 250 million Btu per hour

Item 38.2:

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

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Emission Unit: 1-00AUX
Process: AXG Source Classification Code: 1-02-006-01
Process Description: One of two auxiliary boilers firing natural gas.

Emission Source/Control: 0AUX1 - Combustion
Design Capacity: 250 million Btu per hour

Emission Source/Control: 0AUX2 - Combustion
Design Capacity: 250 million Btu per hour

Item 38.3:

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

Emission Unit: 1-00GEN
Process: EDG Source Classification Code: 2-02-001-01
Process Description:
2500 kw emergency generator with 2 engines firing
distillate oil only.

Emission Source/Control: 00GEN - Combustion
Design Capacity: 25 million Btu per hour

Item 38.4:

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

Emission Unit: 1-00GTU
Process: GTB Source Classification Code: 2-02-002-01
Process Description:
One of four identical GE Frame 7 gas turbine/HRSG units
operating with SCR and supplemental firing of the
respective duct burner; both firing natural gas only.

Emission Source/Control: 00DB1 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB2 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB3 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB4 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00GT1 - Combustion
Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT2 - Combustion
Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT3 - Combustion

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Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT4 - Combustion

Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 0SCR1 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR2 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR3 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR4 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 38.5:

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

Emission Unit: 1-00GTU

Process: GTN

Source Classification Code: 2-02-002-01

Process Description:

One of four identical GE Frame 7 gas turbine/HRSG units operating with SCR without duct burners firing. The gas turbine unit burns natural gas only.

Emission Source/Control: 00DB1 - Combustion

Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB2 - Combustion

Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB3 - Combustion

Design Capacity: 192 million Btu per hour

Emission Source/Control: 00DB4 - Combustion

Design Capacity: 192 million Btu per hour

Emission Source/Control: 00GT1 - Combustion

Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT2 - Combustion

Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT3 - Combustion

Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 00GT4 - Combustion

Design Capacity: 2,074 million Btu per hour

Emission Source/Control: 0SCR1 - Control

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Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR2 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR3 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SCR4 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission unit is subject to the NO_x RACT requirements contained in 6 NYCRR Part 227-2. The PSD emission limits for this emission unit are more stringent than the limits contained in 6 NYCRR Part 227-2 for the period prior to July 1, 2014. Compliance with the PSD limits and associated monitoring, recordkeeping and reporting requirements are sufficient for demonstrating compliance with the 6 NYCRR Part 227-2 NO_x RACT requirements prior to July 1, 2014.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective for entire length of Permit

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

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

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Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On and after July 1, 2014, the two auxiliary boilers at this facility (emission unit 1-00AUX) shall comply with the NOx emission limits of this Subpart using a system averaging plan. The system averaging plan contained in the facility's NYCRR Part 227-2 NOx RACT Analysis/Compliance Plan, dated December 30, 2011, shall be used unless changes to the plan are approved by the Department.

The facility owner/operator may request, in writing, changes to the system averaging plan. Such requests must be made at least 30 days prior to the change, unless a different timeframe is acceptable to the Department. The Department may also require changes to be made to the plan. The facility owner/operator must comply with the most recent plan approved by the Department.

The heat input weighted average emission rates must be determined on a 24-hour daily basis. A 30-day rolling heat input weighted average emission rate may be used to demonstrate compliance for the auxiliary boilers from October 1st to April 30th.

In addition the following also applies:

In the event of a forced outage, the weighted average permissible emission rate must be adjusted to account for the emission source or major electrical inter-tie (345 kV or greater) not in operation as a result of the forced outage. The adjusted emission rate will be deemed in compliance for the period of the forced outage. In the event of a forced outage, the facility owner or operator must, within 30 days thereafter, submit a written report to the department which describes why the outage was unavoidable and includes the following:

(i) a contemporaneous operating log signed by the responsible official identifying the location of the emission source which was subject to the forced outage and the cause of such outage;

(ii) a demonstration that the emission source was being properly operated at the time the outage occurred;



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(iii) a demonstration that, during the outage, the facility owner or operator took all reasonable steps to minimize emissions from the operating emission sources included in the system averaging plan, or other requirements of the permit; and

(iv) a proposed repair or replacement schedule for the subject emission source or a proposed revised system averaging plan.

Manufacturer Name/Model Number: CEM meeting 40 CFR Part 60

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: 40 CFR Part 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 41: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 227-2.6 (b)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and reporting of NO_x emissions must be consistent with the requirements of 6 NYCRR Part 227-2.6. Quarterly reports must be submitted in format and content acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 42: Compliance Certification

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Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At no time shall the auxiliary boilers be in operation when three or more of the gas turbines are in operation, except during periods of testing and facility startups and shutdowns. Testing periods shall not exceed a period of three hours per occurrence and shall be limited to two testing periods per month.

Records of operating periods for the auxiliary boilers and the gas turbines shall be recorded and maintained at the facility.

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

Applicable Federal Requirement:40CFR 60, NSPS Subpart Db

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each auxiliary boiler is subject to this NSPS. Emission limits and monitoring requirements that are less stringent than the PSD limits have not been included in this permit. Monitoring and reporting as required in other conditions contained in this permit.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack visible emissions from the stack servicing the auxiliary boilers shall not exceed 20% opacity (6 minute average), except for one 6 minute average per hour not to exceed 27% opacity. Compliance shall be demonstrated using EPA RM 9 upon request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 45: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The auxiliary boilers shall be limited to a total of 2.8 million mmBtu (HHV) per year based on a 12 month rolling total. The type and quantity of fuel burned must be

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monitored and recorded.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 2800000 million British thermal units

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Item 46.2:

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 an affected facility that combusts oil or mixtures of oil with any other fuels shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

For this requirement, continuous opacity monitoring is required during periods when oil or mixtures of natural gas and oil are burned in the auxiliary boilers. Upon request by the Department, a Method 9 opacity test may be required to be conducted.

Reports on continuous opacity monitoring must be submitted quarterly. Method 9 opacity test reports must be submitted within 60 days of conducting the test.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXD

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD CO mass emission limit, per boiler. CO emissions from this emission point are limited to 5.0 pounds per hour, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXD

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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PSD CO concentration. CO emissions from this emission point are limited to 0.02 pounds per million Btus, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.02 pounds per million Btus

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Process: AXD

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx concentration permit limit. NOx Emissions from this emission point are limited to 0.200 pounds per million Btus, while burning distillate oil. CEMS are used to monitor compliance in the auxiliary boiler stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.200 pounds per million Btus

Reference Test Method: 40 CFR 60 APP B&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 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

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Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXD

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC mass emission limit, per boiler. VOC emissions from this emission point are limited to 5.0 pounds per hour, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXD

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:

PSD PM-10/Particulate concentration limit. PM-10 emissions from this emission point are limited to 0.05 pounds per million Btus, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.



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Parameter Monitored: PM-10

Upper Permit Limit: 0.05 pounds per million Btus

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXD

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD NOx mass emission limit, per boiler. NOx emissions from this emission point are limited to 50.0 pounds per hour, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 50.0 pounds per hour

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005

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Process: AXD

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulate mass emission limit, per boiler. PM-10 emissions from this emission point are limited to 13.0 pounds per hour, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 13.0 pounds per hour

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Process: AXD

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC concentration emission limit. VOC emissions from this emission point are limited to 0.020 pounds per million Btus, while burning distillate oil. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.020 pounds per million Btus



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Permit ID: 7-3556-00040/00026

Facility DEC ID: 7355600040

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXG

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD CO concentration limit. CO emissions from this emission point are limited to 0.020 pounds per million Btu, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.020 pounds per million Btus

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXG

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



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Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD CO mass emission limit, per boiler. CO emissions from this emission point are limited to 5.0 pounds per hour, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Emission Point: 00005

Process: AXG

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC mass emission limit, per boiler. VOC emissions from this emission point are limited to 2.0 pounds per hour, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 2.0 pounds per hour

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXG

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

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC concentration emission limit. VOC emissions from this emission point are limited to 0.008 pounds per million Btus, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXG

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



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Permit ID: 7-3556-00040/00026

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Monitoring Description:

PSD NOx concentration emission limit. NOx emissions from this emission point are limited to 0.200 pounds per million Btus, while burning natural gas. Compliance determined by a NOx CEMS located in the auxiliary boiler stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.200 pounds per million Btus

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXG

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates mass emission limit, per boiler. PM-10 emissions from this emission point are limited to 1.3 pounds per hour, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 1.3 pounds per hour

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Certification



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PSD NOx mass emission limit, per boiler. NOx emissions from this emission point are limited to 50.0 pounds per hour, while burning natural gas. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 50.0 pounds per hour

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The diesel generator shall only be used to provide emergency power to the facility, except for periods of testing and maintenance. Total annual operation shall be less than 500 hours per year.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 499 hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 64.1:

The Compliance Certification activity will be performed for:



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Emission Unit: 1-00GEN
Process: EDG

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD NOx mass emission limit. NOx emissions from the emergency diesel generator are limited to 86.0 pounds per hour. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 86.0 pounds per hour

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN
Process: EDG

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

PSD annual #2 fuel oil limit. Usage of #2 fuel oil by this emission unit shall not exceed 89,285 gallons per year on a 12 month rolling total basis. Fuel use shall be monitored and records shall be kept of the monthly and 12 month rolling totals.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 89,285 gallons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

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

Condition 66: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN
Process: EDG

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD NOx concentration emission limit. NOx emissions from the emergency diesel generator are limited to 3.40 pounds per million Btus. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3.40 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN
Process: EDG

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

New York State Department of Environmental Conservation

Permit ID: 7-3556-00040/00026

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Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD CO mass emission limit. CO emissions from the emergency diesel generator are limited to 23.0 pounds per hour. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 23.0 pounds per hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD CO concentration emission limit. CO emissions from the emergency diesel generator are limited to 0.92 pounds per million Btus. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.92 pounds per million Btus

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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



Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At no time shall the generator be in operation when one or more gas turbines are in operation except during periods of testing and facility startups and shutdowns. Testing periods shall not exceed a period of three hours per occurrence and shall be limited to two testing periods per month. Records of emergency generator operation shall be kept on-site for a period of at least five years.

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 Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC mass emission limit. VOC emissions from the emergency diesel generator are limited to 2.0 pounds per hour. Stack testing, upon request by the Department, shall be used to determine compliance.



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Parameter Monitored: VOC

Upper Permit Limit: 2.0 pounds per hour

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC concentration emission limit. VOC emissions from the emergency diesel generator are limited to 0.080 pounds per million Btus, Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.080 pounds per million Btus

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 72: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG



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Permit ID: 7-3556-00040/00026

Facility DEC ID: 7355600040

Regulated Contaminant(s):

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates mass emission limit. PM-10 emissions from the emergency diesel generator are limited to 1.30 pounds per hour. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 1.30 pounds per hour

Reference Test Method: EPA RM 201A and 202 or equivalents

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 73: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Process: EDG

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates concentration emission limit. PM-10 emissions from the emergency diesel generator are limited to 0.052 pounds per million Btus. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 0.052 pounds per million Btus

Reference Test Method: EPA RM 201A and 202 or equivalents

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 74: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GEN

Emission Point: 00006

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack visible emissions from the emergency generator stack shall not exceed 20% opacity (6 minute average), except for one 6 minute average per hour not to exceed 27% opacity. Compliance shall be demonstrated using EPA RM 9 upon request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack visible emissions from each gas turbine/duct burner stack shall not exceed 20% opacity (6 minute average), except for one 6 minute average per hour not to exceed 27% opacity. Compliance shall be demonstrated using EPA RM 9

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upon request of the Department. Other credible evidence (such as a available COM data) may also be used to determine compliance.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission unit is subject to the NO_x RACT requirements contained in 6 NYCRR Part 227-2. The PSD emission limits for this emission unit are more stringent than the limits contained in 6 NYCRR Part 227-2. Compliance with the PSD limits and associated monitoring, recordkeeping and reporting requirements are sufficient for demonstrating compliance with the 6 NYCRR Part 227-2 NO_x RACT requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 77: Compliance Certification
Effective for entire length of Permit

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU



Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition is applicable on and after resumption of regular operations of the stationary gas turbines after modification to install General Electric's combustion modifications (GE 2.6e) as described in the facility's August 24, 2015 permit application.

1. The owner or operator shall maintain the following information for a minimum of five years:
 - (i) a description of the modification;
 - (ii) an identification of each new or modified emission source(s) including the associated processes and emission unit;
 - (iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation; and
 - (iv) the date the modification commenced operation.

2. The owner or operator shall monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis for a period of 10 years following resumption of regular operations.

Emissions of NO_x and CO shall be monitored using continuous emission monitors, as required elsewhere in this permit.

Emissions of all other pollutants shall be computed using the following emission factors:

PM, 0.0007 lb/mmBtu
PM10, 0.00190 lb/mmBtu
PM2.5, 0.00190 lb/mmBtu
SO₂, as provided below
H₂SO₄, 5.20E-5 lb/mmBtu
GHG, 118.98 lb/mmBtu

3. The SO₂ emission factor shall be based on the actual sulfur content determined from quarterly fuel sampling and analysis. Emissions for the quarter shall be computed using the most recent sampling results. Sampling shall commence no later than 90 days after the proposed project has been completed.

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4. The owner or operator shall submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with paragraph (2) of this subdivision. The report must contain:

- (i) the name, address, and telephone number of the major facility;
- (ii) the annual emissions as calculated pursuant to paragraph (2) of this subdivision; and
- (iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

5. Baseline actual annual emissions, based on an annual heat input of 44,257,366 million Btu/yr, are:

- PM, 15.49 tons/year
- PM10, 42.04 tons/year
- PM2.5, 42.04 tons/year
- SO₂, 13.27 tons/year
- NO_x, 271.88 tons/yr
- VOC emissions, 8.87 tons/yr
- CO emissions, 180.06 tons/yr
- H₂SO₄ emissions, 1.15 tons/yr
- GHG emissions, 2,632,827 tons/yr

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 78: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 78.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 78.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The PSD emission limits in this permit apply at all loads



of operation, except during periods of start-up, shutdown, malfunctions, and some limited maintenance activities.

Start-up and Shutdown procedures:

- (a) The permittee shall develop and maintain procedures for the cold start, warm start and shutdown of emission source operations for the gas turbine emission unit. These procedures shall define each milestone step in sufficient detail to ensure that proper control equipment operation and emission limit compliance are achieved in a timely manner for each monitored air contaminant. A mechanism for documenting each milestone step shall be included in these procedures. These procedures must be submitted to the DEC within 60 days of receipt of this permit.
- (b) The permittee shall comply with the initially submitted start-up and shutdown procedures until the Department has approved the procedures, thereafter the permittee shall comply with the most recently approved version of the procedures. The permittee may request a changes to the procedures by submitting a written request at least 30 days prior to the proposed implementation date of the changes, unless another timeframe is acceptable to the Department. The Department may also require changes to the procedures to be effective in a timeframe determined by the Department.
- (c) Startup and shutdown shall be accomplished within the procedures required to be developed in paragraph (a) of this condition. The time period for excess emissions during startup shall not, under any circumstance, exceed 5 hours for a cold start, 4 hours for a warm start, and 3 hours for shutdown.
- (d) Excess emissions outside the period for compliance defined in the procedures developed in paragraph (a) shall not be considered excess emissions due to startup or shutdown, regardless of the time since first firing. Excess emissions not due to startup or shutdown shall be reported as per the permit condition for 6 NYCRR Part 201-6.5(c)(3)(ii) or quarterly whichever is sooner. In the instances where the permittee claims excess emissions are due to malfunctions, the reporting required in the permit condition for 6 NYCRR Part 201-1.4 shall also be followed. Maintenance activities that may cause unavoidable excess emissions, as described in 6 NYCRR Part 201-1.4, shall be coordinated with the Department and approved by the department prior to undertaking such activity.
- (e) Emissions shall be monitored and recorded whenever

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fuel is fired. Periods of excess emissions due to startup and shutdown must be identified in the quarterly excess emissions report. For those periods of excess emissions due to startup or shutdown where procedures deviated from the startup procedures developed in accordance with Item (a) of this condition, the owner or operator shall describe how the actual startup or shutdown procedures deviated from the written procedures.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 79: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The gas turbines may not operate below 50% load, except during startup and shutdown. Each gas turbine must stay above the gross power output, calculated to the nearest whole megawatt, using the following equation:

$$50\% \text{ Limit} = 0.5[180.5 - (0.23724)(T) - (0.0036749)(T^2) - (7.7246 \times 10^{-6})(T^3) + (5.9417 \times 10^{-7})(T^4) - (4.4538 \times 10^{-9})(T^5)]$$

where:

50% Limit = 50% of the gross megawatt output at a given ambient temperature, and

T = the outdoor ambient temperature (in degrees F) measured at the facility.

Output shall be measured continuously while the plant is operating.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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Condition 80: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

GT/HRSG stack ammonia mass emission limit. Ammonia emissions from each gas turbine/HRSG unit are limited to 28.0 pounds per hour. Compliance is determined by performing an annual stack test. The annual stack test results must be provided when the annual RATA report is submitted.

Parameter Monitored: AMMONIA

Upper Permit Limit: 28.0 pounds per hour

Reference Test Method: 40 CFR 60 APP A M18

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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GT/HRSG stack concentration emission limit for ammonia. Ammonia emissions from each gas turbine/HRSG unit are limited to 10 ppm by volume (dry, corrected to 15% O₂). Compliance is determined by performing an annual stack test. The annual stack test results must be provided when the annual RATA report is submitted.

Parameter Monitored: AMMONIA

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

Reference Test Method: 40 CFR 60 APP A M18

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 82: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must continuously calculate the mass emission rate (lb/hr) from the gas turbine/HRSG stacks.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 83: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 83.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A CEMS must continually monitor and record O2 in each gas turbine/HRSG stack.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 84: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 84.1:

This Condition applies to Emission Unit: 1-00GTU

Item 84.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

**Condition 85: Modification Notification
Effective for entire length of Permit**

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

Item 85.1:

This Condition applies to Emission Unit: 1-00GTU

Item 85.2:

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Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

**Condition 86: Recordkeeping requirements.
Effective for entire length of Permit**

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

Item 86.1:

This Condition applies to Emission Unit: 1-00GTU

Item 86.2:

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

**Condition 87: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60, NSPS Subpart GG

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Gas Turbines are subject to 40 CFR Part 60, Subpart GG. Requirements in this rule have only been included in this permit if more stringent than the PSD permit conditions.

On and after the date that the combustion modifications are implemented (as described in the permit application of August 2015), this condition will no longer apply.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 88: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60, NSPS Subpart KKKK

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The gas turbines and duct burners are subject to 40 CFR Part 60, Subpart KKKK. Requirements in this rule have only been included in this permit condition if they are more stringent than requirements stated elsewhere in this permit.

1. A quality assurance/quality control program implemented in accordance with 40 CFR 75 Appendix B is approved for use to meet the Quality Assurance Plan requirements in 40 CFR 60.4345.
2. 40 CFR 60.4333(a): (a) You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.
3. 40 CFR 60.4365: You may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for units located in continental areas and 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for units located in noncontinental areas or a continental area that the Administrator determines does not have access to natural gas and that the removal of sulfur compounds would cause more environmental harm than benefit. You must use one of the following sources of information to make the required demonstration:



(a) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use in continental areas is 0.05 weight percent (500 ppmw) or less and 0.4 weight percent (4,000 ppmw) or less for noncontinental areas, the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 standard cubic feet and 140 grains of sulfur or less per 100 standard cubic feet for noncontinental areas, has potential sulfur emissions of less than less than 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for continental areas and has potential sulfur emissions of less than less than 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for noncontinental areas; or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for continental areas or 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for noncontinental areas. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

4. 40 CFR 60.4405: If you elect to install and certify a NOX-diluent CEMS under §60.4345, then the initial performance test required under §60.8 may be performed in the following alternative manner:

(a) Perform a minimum of nine RATA reference method runs, with a minimum time per run of 21 minutes, at a single load level, within plus or minus 25 percent of 100 percent of peak load. The ambient temperature must be greater than 0 °F during the RATA runs.

(b) For each RATA run, concurrently measure the heat input to the unit using a fuel flow meter (or flow meters) and measure the electrical and thermal output from the unit.

(c) Use the test data both to demonstrate compliance with the applicable NOX emission limit under §60.4320 and to provide the required reference method data for the RATA of the CEMS described under §60.4335.

(d) Compliance with the applicable emission limit in §60.4320 is achieved if the arithmetic average of all of the NOX emission rates for the RATA runs, expressed in units of ppm or lb/MWh, does not exceed the emission limit.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 89: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

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

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.413 through 97.418. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.
- (2) The facility, and the designated representative, of each TR NO_x Annual source (facility) and each TR NO_x Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430 through 97.435 and Subpart H of 40 CFR Part 75. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the Department semiannually (calendar year). These reports are due on January 30th and July 30th of each year.
- (3) The emissions data determined shall be used to calculate allocations of TR NO_x Annual allowances and to determine compliance with the TR NO_x Annual emissions



limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Annual facility and each TR NO_x Annual Unit at the facility shall hold, in the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 91: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 97, Subpart EEEEE

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Regulated Contaminant(s):

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

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.813 through 97.818 of Subpart EEEEE. The facility shall notify the Department of this representative (and alternate) with contact information upon issuance of this permit and when any changes are made to the representative (or alternate) or their contact information.



(2) The facility, and the designated representative, of each CSAPR NO_x Ozone Season source (facility) and each CSAPR NO_x Ozone Season Unit at the facility must comply with the monitoring, reporting, and recordkeeping requirements of §§97.830 through 97.835 of Subpart EEEEE and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are to be submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are to be submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of CSAPR NO_x Ozone Season allowances and to determine compliance with the CSAPR NO_x Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season facility and each CSAPR NO_x Ozone Season Unit at the facility shall hold, in the facilities compliance account, CSAPR NO_x Ozone Season allowances available for deduction for such control period under §97.824(a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 92: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTB

Regulated Contaminant(s):

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

Item 92.2:

Compliance Certification shall include the following monitoring:



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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx mass emission limit, per GT/HRSG stack. NOx emissions from each gas turbine/HRSG unit are limited to 34.0 pounds per hour, while also firing the duct burner.

Compliance is determined by a CEMS located in the GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 34.0 pounds per hour

Reference Test Method: 40 CFR 60 APP B&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 93: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTB

Regulated Contaminant(s):

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

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx concentration emission limit. NOx emissions from each gas turbine/HRSG unit are limited to 4.5 ppm by volume (dry, corrected to 15% O₂), while also firing the duct burner. Compliance is determined by a CEMS located in the GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.5 parts per million by volume

(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



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

Condition 94: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTB

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

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO mass emission limit, per GT/HRSG stack. CO emissions from each gas turbine/HRSG unit are limited to 66 pounds per hour, while also firing the duct burner. Compliance is determined by a CEMS located in the GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 66.0 pounds per hour

Reference Test Method: 40 CFR 60 APP B&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 95: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTB

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



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Permit ID: 7-3556-00040/00026

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Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates mass emission limit, per GT/HRSG stack. PM-10 emissions from each gas turbine/HRSG unit are limited to 15.9 pounds per hour, while also firing the duct burner. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 15.9 pounds per hour

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 96: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTB

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO concentration emission limit. Co emissions from each gas turbine/HRSG unit are limited to 15 ppm by volume (dry, corrected to 15% O₂), while also firing the duct burner. Compliance is determined by a CEMS located in the GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE



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

Condition 97: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTB

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

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC mass emission limit. VOC emissions from each gas turbine/HRSG unit are limited to 8.8 pounds per hour, while also firing the duct burner. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 8.8 pounds per hour

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 98: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTB

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

Item 98.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD NOx concentration permit limit for each duct burner.
The duct burners cannot operate without the gas turbines operating. Therefore, individual stack testing for each duct burner to determine compliance with this limit has not been required.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.017 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 99: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60, NSPS Subpart Db

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTB

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The duct burners are subject to 40 CFR Part 60-Db (NSPS).
Only requirements that are more stringent than those contained in the PSD permit are included in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 100: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTN

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx mass emission limit. NOx emissions from each gas turbine/HRSG unit are limited to 30.6 pounds per hour, without firing the duct burner. Compliance is determined by a CEMS located in each GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 30.6 pounds per hour

Reference Test Method: 40 CFR 60 APP B&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 101: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTN

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

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx concentration limit. NOx emissions from each gas turbine/HRSG unit are limited to 4.5 ppm by volume (dry, corrected to 15% O2), without firing the duct burner. Compliance is determined by a CEMS located in each GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.5 parts per million by volume



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(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP B&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 102: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTN

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

Item 102.2:

Compliance Certification shall include the following monitoring:

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

PSD CO mass emission limit. CO emissions from each gas turbine/HRSG unit are limited to 51 pounds per hour, without firing the duct burner. Compliance is determined by a CEMS located in the GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 51.0 pounds per hour
Reference Test Method: 40 CFR 60 APP B&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 103: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTN



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Permit ID: 7-3556-00040/00026

Facility DEC ID: 7355600040

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

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO concentration limit. CO emissions from each gas turbine/HRSG unit are limited to 13 ppm by volume(dry, corrected to 15% O₂), without firing the duct burner. Compliance is determined by a CEMS located in each GT/HRSG stack.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 13 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 104: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU
Process: GTN

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

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC mass emission limit. VOC emissions from each gas turbine/HRSG unit are limited to 3.0 pounds per hour. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 3.0 pounds per hour



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Facility DEC ID: 7355600040

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 105: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTN

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD VOC concentration emission limit. VOC emissions from each gas turbine/HRSG unit are limited to 0.002 pounds per million Btus, without firing the duct burner. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: VOC

Upper Permit Limit: 0.002 pounds per million Btus

Reference Test Method: EPA RM 25A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 106: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTN

Regulated Contaminant(s):

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



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Permit ID: 7-3556-00040/00026

Facility DEC ID: 7355600040

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates mass emission limit, per gas turbine. PM-10 emissions from each gas turbine/HRSG unit are limited to 14.0 pounds per hour, without firing the duct burner. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 14.0 pounds per hour

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 107: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

Process: GTN

Regulated Contaminant(s):

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

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD PM-10/particulates concentration emission limit. PM-10 emissions from each gas turbine/HRSG unit are limited to 0.015 pounds per million Btus, without firing the duct burner. Stack testing, upon request by the Department, shall be used to determine compliance.

Parameter Monitored: PM-10

Upper Permit Limit: 0.015 pounds per million Btus

Reference Test Method: EPA RM 201A or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 108: Contaminant List
Effective for entire length of Permit

Applicable State Requirement:ECL 19-0301

Item 108.1:

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

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

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

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

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



**Condition 109: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 201-1.4

Item 109.1:

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

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

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

**Condition 110: Air pollution prohibited
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 211.1

Item 110.1:

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 111: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR Part 242

Item 111.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 111.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. As of midnight, March 1 or, if that March 1 is not a business day, midnight of the first business day thereafter, the owners or operators shall hold (in the compliance account) CO₂ allowances available for compliance deduction in an amount not less than the total CO₂ emissions for the Control Period as such term is defined in 6 NYCRR 242-1.2(b)(40) for all CO₂ budget units at the source.
2. CO₂ allowances shall not be deducted, in order to comply with 6 242-1.5(c)(1), for a Control Period that ends prior to the allocation year for which the CO₂ allowance was allocated.
3. The owner or operator of a CO₂ budget source that has excess emissions in any Control Period shall forfeit the CO₂ allowances required for deduction under 6 NYCRR 242-6.5(d)(1), provided CO₂ offset allowances may not be used to cover any part of such excess emissions; and pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR 242-6.5(d)(2).
4. Each CO₂ budget source shall have only one authorized account representative and may have one alternate CO₂ authorized account representative, as specified in 242-2. Each submission under the CO₂ Budget Trading Program shall be submitted, signed, and certified by the CO₂ authorized account representative (or alternate AAR) and include the following statement: "I am authorized to make this submission on behalf of the owners and operators of the CO₂ budget sources or CO₂ budget units for which the submission is made. I certify under penalty of law that I



have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

5. A CO₂ authorized account representative (or his or her alternate) may delegate, to one or more natural persons, his or her authority to make an electronic submission to the department or its agent. In order to delegate authority to make an electronic submission, the CO₂ authorized account representative (or alternate) must submit to the department a notice of delegation as specified in 6 NYCRR 242-2.6.

6. For each control period to which a CO₂ budget source is subject to the CO₂ requirements of 6 NYCRR 242-1.5, the CO₂ authorized account representative (or alternate) shall submit to the DEC, by March 1 following the relevant Control Period, a compliance certification report. The report shall be in a format prescribed by the department and include

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

ii) at the CO₂ authorized account representative's (or alternate's) option, the serial numbers of the CO₂ allowances to be deducted; and

iii) the compliance certification of 6 NYCRR 242-4.1(c).

7. No owner or operator of a CO₂ budget unit shall operate the unit so as to discharge, or allow to be discharged, CO₂ emissions to the atmosphere without accounting for all such emissions in accordance with 6 NYCRR 242 and 40 CFR Part 75.

8. The owners and operators and, to the extent applicable, the CO₂ authorized account representative (or alternate) of a CO₂ budget unit shall comply with the monitoring, recordkeeping and reporting requirements as provided in 6 NYCRR 242; and 40 CFR Part 75. The owner or operator of each CO₂ budget unit must install all monitoring systems necessary to monitor CO₂ mass emissions in accordance with 40 CFR Part 75, except for equation G1.



Emission Unit: 1-00GTU

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 112.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

This condition is applicable to each stationary gas turbine on and after combusting natural gas in a given turbine.

1. The owner or operator shall not cause or allow to be discharged emissions of carbon dioxide in excess of

(a) 925 pounds of CO₂ per MW-hr of gross electrical power, or

(b) 120 pounds of CO₂ per million Btu heat input.

No later than 60 days after the effective date of this permit, the owner or operator shall inform the Department of which limit will be effective (out-put based or in-put based).

2. CO₂ emissions resulting from combustion of natural gas in the duct burners may, at the discretion of the owner or operator, be excluded from the compliance determination in accordance with a protocol submitted by the owner or operator and approved by the DEC.

3. The emission limits are based on a 12 month rolling average basis, calculated by dividing the annual total of CO₂ emissions by either the annual total gross MW generated or the annual BTU heat input for each 12 month rolling period.

4. Hourly CO₂ emissions shall be calculated using Continuous Emission Monitors or Appendices D and G of 40 CFR Part 75. The owner or operator shall use the missing data substitution procedures of 40 CFR Part 75 for periods of missing data.

5. The owner or operator shall submit to the DEC, on a semi-annual basis, the actual emission rate of CO₂, in units of the standard, for each 30 day rolling period.

New York State Department of Environmental Conservation

Permit ID: 7-3556-00040/00026

Facility DEC ID: 7355600040



Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 120 pounds per million Btus

Reference Test Method: Part 75 Appendices D and G

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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