



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-1922-00055/00005
Effective Date: 07/01/2016 Expiration Date: 06/30/2021

Permit Issued To: NEW ATHENS GENERATING COMPANY LLC
9300 US RTE 9W
PO BOX 349
ATHENS, NY 12015-0349

Facility: ATHENS GENERATING PLANT
9300 US RTE 9W
ATHENS, NY 12015

Contact: DANIEL DEVINNEY
ATHENS GENERATING CO LP
PO BOX 349
ATHENS, NY 12015-0349
(518) 945-3844

Description:
This is a renewal application for the Athens Generating Plant which is a nominal 1080 MW power plant. The plant consists of three combined cycle, natural gas fired turbines (245 MW combustion side, 115 MW steam side each). The facility is capable of firing oil but is limited in this permit to no more than 1080 hours/year per turbine.

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: JAMES J ELDRED
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.3:

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

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:



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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

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Facility DEC ID: 4192200055



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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ATHENS, NY 12015-0349

Facility: ATHENS GENERATING PLANT
9300 US RTE 9W
ATHENS, NY 12015

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

Permit Effective Date: 07/01/2016

Permit Expiration Date: 06/30/2021



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 Subpart 201-6: Compliance Certification
- 23 6 NYCRR Subpart 201-6: Compliance Certification
- 24 6 NYCRR Subpart 201-6: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Compliance Certification
- 26 6 NYCRR Subpart 201-6: Compliance Certification
- 27 6 NYCRR Subpart 201-6: Compliance Certification
- 28 6 NYCRR Subpart 201-6: Compliance Certification
- 29 6 NYCRR Subpart 201-6: Compliance Certification
- 30 6 NYCRR Subpart 201-6: Compliance Certification
- 31 6 NYCRR Subpart 201-6: Compliance Certification
- 32 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 33 6 NYCRR 211.1: Air pollution prohibited
- 34 6 NYCRR 227-1.3: Compliance Certification
- 35 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 36 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 37 6 NYCRR 231-2.5: Compliance Certification
- 38 6 NYCRR 231-2.5: Compliance Certification
- 39 6 NYCRR 231-2.5: Compliance Certification
- 40 6 NYCRR 231-2.5: Compliance Certification
- 41 6 NYCRR 231-2.5: Compliance Certification
- 42 6 NYCRR 231-2.9 (b) (1): Compliance Certification
- 43 6 NYCRR 231-2.9 (b) (2): Compliance Certification

New York State Department of Environmental Conservation

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- 44 40CFR 52.21, Subpart A: Compliance Certification
 - 45 40CFR 52.21, Subpart A: Compliance Certification
 - 46 40CFR 52.21, Subpart A: Compliance Certification
 - 47 40CFR 52.21, Subpart A: Compliance Certification
 - 48 40CFR 52.21, Subpart A: Compliance Certification
 - 49 40CFR 52.21, Subpart A: Compliance Certification
 - 50 40CFR 52.21, Subpart A: Compliance Certification
 - 51 40CFR 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
 - 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
 - 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
 - 74 40CFR 52.21, Subpart A: Compliance Certification
 - 75 40CFR 52.21, Subpart A: Compliance Certification
 - 76 40CFR 52.21, Subpart A: Compliance Certification
 - 77 40CFR 52.21, Subpart A: 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(j), Subpart A: Compliance Certification
 - 84 40CFR 60.334(c), NSPS Subpart GG: Compliance Certification
 - 85 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification
 - 86 40CFR 60.334(j), NSPS Subpart GG: Compliance Certification
 - 87 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
 - 88 40CFR 72.9, Subpart A: Compliance Certification
 - 89 40CFR 97.406, Subpart AAAAA: Compliance Certification
 - 90 40CFR 97.506, Subpart BBBBB: Compliance Certification
 - 91 40CFR 97.606, Subpart CCCCC: Compliance Certification
- Emission Unit Level**
- 92 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 93 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

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EU=U-00004,EP=00004

94 6 NYCRR 212.4: Compliance Certification

EU=U-00005

95 6 NYCRR 231-2.5: Compliance Certification

96 6 NYCRR 231-2.5: Compliance Certification

EU=U-00006

97 6 NYCRR 231-2.5: Compliance Certification

98 6 NYCRR 231-2.5: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

99 ECL 19-0301: Contaminant List

100 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

101 6 NYCRR 201-1.4: Unavoidable noncompliance and violations



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. If additional applicable requirements under the Act become applicable where this permit's remaining term is 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 this 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 Part 201-6.7 and Part 621.

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

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

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

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

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



a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 07/01/2016 and 06/30/2021**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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



Condition 5: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



report required above.

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

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

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

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

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



whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 6: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

New York State Department of Environmental Conservation

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Facility DEC ID: 4192200055



625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 07/01/2016 and 06/30/2021



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**



Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes



Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.

Effective between the dates of 07/01/2016 and 06/30/2021

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:

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U00002 consists of a Westinghouse model 501G combustion turbine (245 MW base load at ISO conditions) with heat recovery steam generator and steam turbine (115 MW base load). The turbine employs dry low NOx technology and normally operates on natural gas. Distillate oil operation is limited to 1080 hours/yr. Steam (or water) injection is used during oil firing to reduce NOx emissions. Total heat rating is 3100 mmBtu/hr. NOx emissions from the combustion turbines are additionally controlled by selective catalytic reduction (SCR) with ammonium hydroxide injection.

Building(s): TB

Item 21.3:

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

Emission Unit: U-00003

Emission Unit Description:

Emission Unit U00003 consists of a Westinghouse Model 501G combustion turbine (245MW base load at ISO conditions) with heat recovery steam generator and steam turbine (115MW base load). The turbine employs dry low NOx technology and normally operates on natural gas. Distillate oil operation is limited to 1080 hours/yr. Steam (or water) injection is used during oil firing to reduce NOx emissions. Total heat rating is 3100 mmBtu/hr. NOx emissions from the turbines are additionally controlled by selective catalytic reduction (SCR) with ammonium hydroxide injection.

Building(s): TB

Item 21.4:

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

Emission Unit: U-00004

Emission Unit Description:

Three (3) 20,000 gallon double wall with ammonium hydroxide (aqueous ammonium) tanks with interstitial leak monitors. Tank is maintained at 11.5 psig with emergency pressure relief only (no continuous vent).

Item 21.5:

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

Emission Unit: U-00005

Emission Unit Description:

Diesel fired emergency generator, Caterpillar type SR4B, with 3512B-LE engine, rated at 1500kW. Maximum fuel consumption of 112.7 gallons/hr, with 500 gallon double wall tank with rupture basin. Operation is limited to



New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055

The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 23: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Formaldehyde emissions shall be controlled by the use of efficient combustion techniques. The emission limit is set to ensure that the combined potential emissions from the three turbines is well below the 10 tons/yr threshold for applicability for 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAP) rules. If the stack test results show emissions are equal to or greater than 0.2 lb/hr, the facility will be subject to the appropriate NESHAP rules.

Manufacturer Name/Model Number: TBD

Upper Permit Limit: 0.2 pounds per hour

Reference Test Method: RM-320

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 24: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



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

Emission Unit: U-00001
Process: 1SG

Emission Unit: U-00002
Process: 2SG

Emission Unit: U-00003
Process: 3SG

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

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, maintain, calibrate, and operate a continuous emission monitor (CEM) for carbon monoxide (CO) and shall limit the concentration of carbon monoxide during periods of startup and shutdown to no more than 3000 ppm based on a 1 hour rolling average for the entire startup or shutdown period while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 23 (high), 6E (low-medium)NON-DISPERSIVE INFRARED

Upper Permit Limit: 3000 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 25: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



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

Emission Unit: U-00001
Process: 1SG

Emission Unit: U-00002
Process: 2SG

Emission Unit: U-00003
Process: 3SG

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

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide (CO) and shall limit the emissions of CO during periods of startup and shutdown to no more than 7500 lb/hr based on a 1 hour rolling average for the entire startup or shutdown period while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 23 (high), 6E (low-medium)NON-DISPERSIVE INFRARED

Upper Permit Limit: 7500 pounds per hour

Reference Test Method: 40 CFR 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 26: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 26.1:

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

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



Emission Unit: U-00001
Process: 1SG

Emission Unit: U-00002
Process: 2SG

Emission Unit: U-00003
Process: 3SG

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Shutdown is defined as the period of time from when the combustion turbine load decreases below 75% until fuel combustion is stopped. The duration of a shutdown shall not exceed one hour.

The facility shall record the date and time of each shutdown event. A report consisting of the recorded information shall be submitted to the Department with the facility's required excess emissions report. All records shall be maintained and readily available for a minimum of five years.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 1 hours

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 27: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



Process: 1SG

Emission Unit: U-00002

Process: 2SG

Emission Unit: U-00003

Process: 3SG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Startup is defined as the time that is required to
increase the combustion turbine load up to 75%. This
time period is dependent on the initial temperature of the
steam turbine high pressure (HP) section rotor. There
will be three different startup periods based on that
initial temperature: hot start, warm start, and cold
start.

A warm start is defined as a startup (from ignition to 75%
load) of the combustion turbine with an initial steam
turbine HP rotor temperature of greater than or equal to
300 degrees Fahrenheit, but less than or equal to 800F.
The duration of a warm startup shall not exceed six
hours.

The facility shall record the date and time of each
startup event. A report consisting of the recorded
information shall be submitted to the Department with the
facility's required excess emissions report. All records
shall be maintained and readily available for a minimum of
five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 6 hours

Reference Test Method: N/A

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 28: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1SG

Emission Unit: U-00002

Process: 2SG

Emission Unit: U-00003

Process: 3SG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

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

Item 28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Startup is defined as the time that is required to increase the combustion turbine load up to 75%. This time period is dependent on the initial temperature of the steam turbine high pressure (HP) section rotor. There will be three different startup periods based on that initial temperature: hot start, warm start, and cold start.

A cold start is defined as a startup (from ignition to 75% load) of the combustion turbine with an initial steam turbine HP rotor temperature of less than 300 degrees Fahrenheit. The duration of a cold startup shall not exceed eight hours.

The facility shall record the date and time of each startup event. A report consisting of the recorded information shall be submitted to the Department with the facility's required excess emissions report. All records shall be maintained and readily available for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 8 hours

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 29: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1SG

Emission Unit: U-00002

Process: 2SG

Emission Unit: U-00003

Process: 3SG

Regulated Contaminant(s):

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

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for nitrogen oxides (NO_x) and shall limit the concentration of NO_x during periods of startup and shutdown to no more than 75 ppm based on a 3 hour block average for the entire startup or shutdown period while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 75 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 30.1:

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

Emission Unit: U-00001
Process: 1SG

Emission Unit: U-00002
Process: 2SG

Emission Unit: U-00003
Process: 3SG

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain, and operate a continuous emissions monitor for nitrogen oxides (NO_x) and shall limit the concentration of NO_x during periods of startup and shutdown to no more than 350 lb/hr based on a 3 hour block average for the entire startup or shutdown period while firing natural gas.

Emissions in excess of this limit shall be reported through the facility's excess emissions report. All records shall be maintained by the facility for a minimum of five years.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 350 pounds per hour

Reference Test Method: 40 CFR 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 31: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1SG

Emission Unit: U-00002

Process: 2SG

Emission Unit: U-00003

Process: 3SG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

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

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Startup is defined as the time that is required to increase the combustion turbine load up to 75%. This time period is dependent on the initial temperature of the steam turbine high pressure (HP) section rotor. There will be three different startup periods based on that initial temperature: hot start, warm start, and cold start.

A hot start is defined as a startup (from ignition to 75% load) of the combustion turbine with an initial steam turbine HP rotor temperature of greater than 800 degrees Fahrenheit. The duration of a hot startup shall not exceed three hours.

The facility shall record the date and time of each startup event. A report consisting of the recorded information shall be submitted to the Department with the facility's required excess emissions report. All records shall be maintained and readily available for a minimum of five years.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 3 hours

Reference Test Method: N/A

Monitoring Frequency: CONTINUOUS



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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 27 percent opacity.

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

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

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the

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Permit ID: 4-1922-00055/00005

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stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (3)

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BD

Emission Unit: U-00001

Process: 1MD

Emission Unit: U-00002

Process: 2BD

Emission Unit: U-00002

Process: 2MD

Emission Unit: U-00003

Process: 3BD

Emission Unit: U-00003

Process: 3MD

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator of a combined cycle combustion turbine with a maximum heat input rate of 10 mmBtu/hr or greater must meet a relevant presumptive RACT (Reasonably Available Control Technology) emission limit of 65 ppmvd, corrected to 15% oxygen when firing distillate fuel

New York State Department of Environmental Conservation

Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055



Monitoring Description:

The owner/operator of a combined cycle combustion turbine with a maximum heat input rate of 10 mmBtu/hr or greater must meet a relevant presumptive RACT (Reasonably Available Control Technology) emission limit of 42 ppmvd, corrected to 15% oxygen when firing natural gas.

This emission limit is a discrete one-hour average based on the heat input corresponding to the higher heating value of the natural gas. A CEMS is used to monitor emissions at the gas turbine stack.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

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

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

Condition 37: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: 1BG

Emission Point: 00001

Emission Unit: U-00002
Process: 2BG

Emission Point: 00002

Emission Unit: U-00003
Process: 3BG

Emission Point: 00003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit emissions of VOC to less than 16.8 lb/hr. This limit is a discrete one hour average that applies while firing natural gas, and is based on the



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heat input corresponding to the higher heating value of the fuel. Compliance will be demonstrated by conducting a performance test once during the term of the permit.

Upper Permit Limit: 16.8 pounds per hour
Reference Test Method: RM-25A with Methane/Ethane backout
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 38.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: 1BD

Emission Unit: U-00002 Emission Point: 00002
Process: 2BD

Emission Unit: U-00003 Emission Point: 00003
Process: 3BD

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall control the emissions of volatile organic compounds (VOC) to less than 39.2 pounds per hour as measured during a performance test once during the term of the permit. The limit is a discrete one hour average which applies while firing oil, and is based on the heat input corresponding to the higher heating value of the fuel.

Upper Permit Limit: 39.2 pounds per hour
Reference Test Method: RM-25A with Methane/Ethane backout
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 39.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total VOC emissions from the three turbines shall not exceed 233.2 tons/yr on a 12-month rolling average basis.
VOC emissions shall be calculated using the results of stack testing to be completed during the permit term.

Upper Permit Limit: 233.2 tons per year

Reference Test Method: RM-25 W/METHANE/ETHANE BACKOUT

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.

The initial report is due 1/30/2017.

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

Condition 40: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 40.1:

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

Emission Unit: U-00001

Emission Point: 00001



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Process: 1BG

Emission Unit: U-00002

Emission Point: 00002

Process: 2BG

Emission Unit: U-00003

Emission Point: 00003

Process: 3BG

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for volatile organic compounds (VOC) shall be no more than 4.0 ppmvd, corrected to 15% oxygen, when the turbines are operating and firing natural gas. This VOC limit is a discrete one hour average based on the higher heating value of the natural gas. Compliance with this limit was demonstrated during a stack test that was performed within 12 months of the facility's startup.

Upper Permit Limit: 4.0 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: EPA Method 18/25A with Methane/Ethane backout

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 41: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: 1BD

Emission Unit: U-00002

Emission Point: 00002

Process: 2BD

Emission Unit: U-00003

Emission Point: 00003

Process: 3BD

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Condition 43: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.9 (b) (2)

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility previously obtained VOC emission credits totalling 275 tons/year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 44: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for sulfur dioxide of 1.1 lb/hr is a discrete one hour average at design operating conditions.

The unit will demonstrate compliance with a one time, initial compliance test. The unit will be maintained to manufacturer's operating specifications with an annual tune up.



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Upper Permit Limit: 1.1 pounds per hour
Reference Test Method: EPA Ref. Method 6C/19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 45.1:

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

Emission Unit: U-00005

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for PM-10 of 1.9 lb/hr is a discrete one hour average at design operating conditions. The unit will demonstrate compliance with a one time, initial compliance test. The unit will be maintained to manufacturer's operating specifications with an annual tune up.

Upper Permit Limit: 1.9 pounds per hour
Reference Test Method: EPA Ref. Method 201A/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 46.1:



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

Emission Unit: U-00006

Regulated Contaminant(s):
CAS No: ONY075-00-5 PM-10

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for PM-10 of 0.5 lb/hr is a discrete one hour average at design operating conditions. The unit demonstrated compliance during an initial compliance test. The unit will be maintained according to the manufacturer's specifications with an annual tune-up.

Upper Permit Limit: 0.5 pounds per hour

Reference Test Method: EPA RM201A/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 47: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 47.1:

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

Emission Unit: U-00006

Regulated Contaminant(s):
CAS No: ONY075-00-0 PARTICULATES

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for particulate matter of 0.5 lb/hr is a discrete one hour average at design operating conditions. The unit demonstrated compliance during an initial compliance test. The unit will be maintained



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according to the manufacturer's specifications with an annual tune-up.

Upper Permit Limit: 0.5 pounds per hour
Reference Test Method: EPA RM 201A/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 48.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00005

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:
The emission limit for carbon monoxide of 7.7 lb/hr is a discrete one hour average at design operating conditions.
The unit will demonstrate compliance with a one time, initial compliance test. The unit will be maintained to manufacturer's operating specifications with an annual tune up.

Upper Permit Limit: 7.7 pounds per hour
Reference Test Method: EPA RM 10
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission limit for sulfur dioxide of 0.3 lb/hr is a discrete one hour average at design operating conditions.

The unit will demonstrate compliance with a one-time, initial compliance test. The unit will be maintained to manufacturer's operating specifications with an annual tune up.

Upper Permit Limit: 0.3 pounds per hour

Reference Test Method: Ref. Method 6C/19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 50: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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The emission limit is a discrete one hour average at design operating conditions. The unit demonstrated compliance during an initial compliance test. The unit will be maintained according to the manufacturer's specifications with an annual tune-up.

Upper Permit Limit: 4.1 pounds per hour

Reference Test Method: 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 51: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility will meet a sulfur dioxide emission limit of 0.0006 lb/mmBtu. This emission limit is a discrete one-hour average based on the continuous recording of natural gas usage, with heat input corresponding to the higher heating value of the fuel. Based on analytical data collected for a one-year period by the facility, the natural gas meets the definition of pipeline natural gas with a sulfur content below 0.5gr/100 scf as defined in 40 CFR 72.2. As a result, sulfur dioxide emissions will be calculated using 0.0006 lb/mmBtu, in accordance with 40 CFR 75, appendix D, section 2.3.1.1. The facility will either perform an annual sulfur content analysis or obtain such an analysis from the gas supplier.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0006 pounds per million Btus

Reference Test Method: APPENDIX D



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

Condition 52: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 52.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Athens Generating is proposing to meet a sulfur dioxide limit of 148.2 lb/hr by meeting a fuel sulfur limit of 0.05% by weight. For fuel oil, using one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 fo appendix D to Part 75.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 148.2 pounds per hour

Reference Test Method: APPENDIX D

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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Condition 53: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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Item 53.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of nitrogen oxides (NO_x) to less than 23.4 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a three-hour average concentration and is based on the heat input corresponding to the higher heating value of the natural gas.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 23.4 pounds per hour

Reference Test Method: RM-20/7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 54: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall limit the emissions of sulfur dioxide to 21.0 lb/hr by monitoring the sulfur content of the natural gas that is burned. This emission limit is a discrete one-hour average based on the continuous recording of natural gas usage, with heat input corresponding to the higher heating value of the fuel.

Based on analytical data collected for a one-year period by the facility, the natural gas meets the definition of pipeline natural gas with a sulfur content below 0.5 grains/100 scf as defined in 40 CFR 72.2. As a result sulfur dioxide emissions will be calculated using the emission factor of 0.0006 lb/mmBtu, in accordance with 40 CFR 75, Appendix D, section 2.3.1.1.

The facility will either perform an annual sulfur content analysis or obtain such an analysis from the gas supplier.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 21.0 pounds per hour

Reference Test Method: APPENDIX D

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

Condition 55: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Unit: U-00006

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NOx emissions from emission units U-00005 and U-00006 shall not exceed 20.6 tons/yr. The facility shall meet this limit by maintaining a log of the hours of operation of the engines and the reason for operation on-site. Each engine shall be equipped with an hour meter. Operational hours shall be calculated from the hour meter and recorded in a log. Hours of operation shall be summed with the previous eleven months to calculate a rolling 12-month total.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 56: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit emission limits apply at all loads and modes of operation between 75% and 100% load. Emission records will be maintained for NOx and CO during startup and shutdown while firing natural gas or fuel oil, in order to establish SUSD emission limits for the combustion turbine. During periods of start-up, shutdown, maintenance, or emergency, the provisions of 6 NYCRR Part 201-1.4 and 1.5

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apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 57: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: 1BD

Emission Unit: U-00001
Process: 1MD

Emission Unit: U-00002
Process: 2BD

Emission Unit: U-00002
Process: 2MD

Emission Unit: U-00003
Process: 3BD

Emission Unit: U-00003
Process: 3MD

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall control the emissions of sulfuric acid to less than 23.5 pounds per hour as determined during a performance test once during the term of the permit. The limit is a discrete one hour average which applies while firing fuel oil, and is based on the heat input corresponding to the higher heating value of the fuel.

Upper Permit Limit: 23.5 pounds per hour

Reference Test Method: RM-8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 58: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BG

Emission Unit: U-00001

Process: 1MG

Emission Unit: U-00002

Process: 2BG

Emission Unit: U-00002

Process: 2MG

Emission Unit: U-00003

Process: 3BG

Emission Unit: U-00003

Process: 3MG

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall control the emissions of sulfuric acid to less than 2.8 pounds per hour as determined during a performance test once during the term of the permit. The limit is a discrete one hour average which applies while firing natural gas, and is based on the heat input corresponding to the higher heating value of the fuel.

Upper Permit Limit: 2.8 pounds per hour

Reference Test Method: RM-8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 59.1:

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

Emission Unit: U-00001
Process: 1BG

Emission Unit: U-00001
Process: 1MG

Emission Unit: U-00002
Process: 2BG

Emission Unit: U-00002
Process: 2MG

Emission Unit: U-00003
Process: 3BG

Emission Unit: U-00003
Process: 3MG

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall control the emissions of particulate matter (PM) to less than 34.1 pounds per hour as determined during a performance test once during the term of the permit. The limit is a discrete one hour average which applies while firing natural gas, and is based on the heat input corresponding to the higher heating value of the fuel.

Upper Permit Limit: 34.1 pounds per hour

Reference Test Method: RM 202, 201A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 60.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Total NOx emissions from emission units U-00001, U-00002,
and U-00003 shall not exceed 424.2 tons/yr on a 12-month
rolling total basis.

Manufacturer Name/Model Number: ROSEMOUNT 951C

Upper Permit Limit: 424.2 tons per year

Reference Test Method: RM-20/7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 61: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 61.1:

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

Emission Unit: U-00001



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Emission Unit: U-00002

Emission Unit: U-00003

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of nitrogen oxides (NO_x) to less than 101.9 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a three-hour average concentration and is based on the heat input corresponding to the higher heating value of the natural gas.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 101.9 pounds per hour

Reference Test Method: RM-20/7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 62: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 62.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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The facility shall control the emissions of carbon monoxide to less than 508.2 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a one-hour average concentration and is based on the heat input corresponding to the higher heating value of the distillate oil.

This limit applies when the turbine is operating between 75 and 100% load and shall be determined by linear interpolation.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 6E NON-DISPERSIVE INFRARED

Upper Permit Limit: 508.2 pounds per hour

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 63: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BD

Emission Unit: U-00002

Process: 2BD

Emission Unit: U-00003

Process: 3BD

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of carbon monoxide to less than 351.8 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a one-hour average concentration and is based on the

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heat input corresponding to the higher heating value of the fuel oil.

This limit applies when the turbine is firing at 100% load.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 6E NON-DISPERSIVE INFRARED

Upper Permit Limit: 351.8 pounds per hour

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 64: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 64.1:

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

Emission Unit: U-00001
Process: 1BG

Emission Unit: U-00002
Process: 2BG

Emission Unit: U-00003
Process: 3BG

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of carbon monoxide to less than 170.2 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a one-hour average concentration and is based on the heat input corresponding to the higher heating value of the natural gas.

This limit applies when the turbine is operating at the minimum load of 75%. If the turbine is operating between



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75 and 100% load and shall be determined by linear interpolation.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 6E NON-DISPERSIVE INFRARED

Upper Permit Limit: 170.2 pounds per hour

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 65: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of carbon monoxide to less than 105.0 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a one-hour average concentration and is based on the heat input corresponding to the higher heating value of the natural gas.

This limit applies when the turbine is firing at 100% load.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 6E NON-DISPERSIVE INFRARED

Upper Permit Limit: 105.0 pounds per hour

Reference Test Method: RM-10

Monitoring Frequency: CONTINUOUS

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Process: 3BD

Emission Unit: U-00003

Process: 3MD

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall control the emissions of particulate matter (PM) to less than 154.0 pounds per hour as determined during a performance test once during the term of the permit. The limit is a discrete one hour average which applies while firing fuel oil, and is based on the heat input corresponding to the higher heating value of the fuel.

Upper Permit Limit: 154.0 pounds per hour

Reference Test Method: RM-201A,202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 68: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 68.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BD

Emission Unit: U-00001

Process: 1BG

Emission Unit: U-00002

Process: 2BD

Emission Unit: U-00002

Process: 2BG

Emission Unit: U-00003



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Process: 3BD

Emission Unit: U-00003

Process: 3BG

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall control the emissions of ammonia to less than 42.3 pounds per hour as measured in a continuous emissions monitor. The limit shall be based on a one-hour average concentration and is based on the heat input corresponding to the higher heating value of the natural gas or fuel oil.

Manufacturer Name/Model Number: ROSEMOUNT 951C

Upper Permit Limit: 42.3 pounds per hour

Reference Test Method: CTM-027

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 69: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 69.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BD

Emission Unit: U-00002

Process: 2BD

Emission Unit: U-00003

Process: 3BD

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 69.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission limit for sulfur dioxide (SO₂) of 0.05 lb/mmBtu is a discrete one hour average based on the continuous recording of distillate fuel oil usage, with heat input corresponding to the higher heating value of the fuel. Compliance will be determined using supplier fuel oil sulfur content certifications with each delivery.

Fuel oil operation is limited for the facility to 1080 hours/year.

Upper Permit Limit: 0.05 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: PER DELIVERY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 70: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 70.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: 1BG

Emission Unit: U-00002

Emission Point: 00002

Process: 2BG

Emission Unit: U-00003

Emission Point: 00003

Process: 3BG

Regulated Contaminant(s):

CAS No: 000050-00-0

FORMALDEHYDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This formaldehyde emission limit of 0.000064 is a discrete one hour average based on the heat input corresponding to the higher heating value of the fuel.

Compliance was determined with a one time stack test that

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was performed within 12 months of startup.

Upper Permit Limit: 0.000064 pounds per hour
Reference Test Method: EPA Method 11
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 71.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 71.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Alternate fuel use of distillate oil is limited to 1080
hours per year total for the facility, calculated on a
daily rolling basis.

Process Material: FUEL OIL
Parameter Monitored: FUEL OIL
Upper Permit Limit: 1080 hours per year
Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 72.1:

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

Emission Unit: U-00001
Process: 1BD

Emission Unit: U-00002



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Process: 2BD

Emission Unit: U-00003

Process: 3BD

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for sulfuric acid shall be no more than 0.008 lb/mmBtu when the turbines are operating and firing distillate fuel oil. This sulfuric acid limit is a discrete one hour average based on the higher heating value of the distillate fuel oil. Compliance with this limit will be demonstrated during a stack test that will be performed within 12 months of the facility's initial operation using distillate fuel oil.

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 73: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 73.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 1BG

Emission Point: 00001

Emission Unit: U-00002

Process: 2BG

Emission Point: 00002

Emission Unit: U-00003

Process: 3BG

Emission Point: 00003

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

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Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for sulfuric acid shall be no more than 0.0009 lb/mmBtu when the turbines are operating and firing natural gas. This sulfuric acid limit is a discrete one hour average based on the higher heating value of the natural gas.

Upper Permit Limit: 0.0009 pounds per million Btus

Reference Test Method: EPA Method 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 74: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 74.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: 1BD

Emission Point: 00001

Emission Unit: U-00002
Process: 2BD

Emission Point: 00002

Emission Unit: U-00003
Process: 3BD

Emission Point: 00003

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for total particulate matter (PM) and PM-10 shall be no more than 0.075 lb/mmBtu when the turbines are operating and firing distillate fuel oil.

This limit is a discrete one hour average based on the

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 76.1:

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

Emission Unit: U-00001 Process: 1BD	Emission Point: 00001
Emission Unit: U-00001 Process: 1BG	Emission Point: 00001
Emission Unit: U-00002 Process: 2BD	Emission Point: 00002
Emission Unit: U-00002 Process: 2BG	Emission Point: 00002
Emission Unit: U-00003 Process: 3BD	Emission Point: 00003
Emission Unit: U-00003 Process: 3BG	Emission Point: 00003
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for ammonia shall be no more than 10 ppmvd, corrected to 15% oxygen when the turbines are operating normally and firing either natural gas or distillate fuel oil. This ammonia limit is a discrete one hour average based on the higher heating value of the fuel. Compliance with this limit shall be demonstrated through the use of a CEMS at the gas turbine stack.

Manufacturer Name/Model Number: ROSEMOUNT 951C

Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

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Condition 78: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 78.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: 1MG

Emission Unit: U-00002 Emission Point: 00002
Process: 2MG

Emission Unit: U-00003 Emission Point: 00003
Process: 3MG

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for carbon monoxide (CO) shall be no more than 30 ppmvd, corrected to 15% oxygen when the turbines are operating at the minimum 75% load and firing natural gas. This CO limit is a discrete one hour average based on the higher heating value of the natural gas. Compliance with this limit shall be demonstrated through the use of a CEMS at the gas turbine stack. CO emissions for the turbine loads between 75% and 100% shall be determined by linear interpolation.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 23 (high), 6E

(low-medium)NON-DISPERSIVE INFRARED

Upper Permit Limit: 30.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 79: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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Item 79.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 1BD

Emission Unit: U-00002 Emission Point: 00002
Process: 2BD

Emission Unit: U-00003 Emission Point: 00003
Process: 3BD

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This carbon monoxide (CO) emission limit of 50 ppmv corrected to 15% oxygen is a discrete one hour average based on the higher heating value of the distillate fuel oil. This limit applies during normal operation at 100% load when the turbine is firing fuel oil. Compliance is continuously demonstrated using a CEMS at the gas turbine exhaust stack.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 23 (high), 6E (low-medium)NON-DISPERSIVE INFRARED

Upper Permit Limit: 50.0 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 80: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 80.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001



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Permit ID: 4-1922-00055/00005

Facility DEC ID: 4192200055

Process: 1BG

Emission Unit: U-00002

Emission Point: 00002

Process: 2BG

Emission Unit: U-00003

Emission Point: 00003

Process: 3BG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This carbon monoxide (CO) emission limit of 15 ppmv corrected to 15% oxygen is a discrete one hour average based on the higher heating value of the natural gas. This limit applies during normal operation at 100% load when the turbine is firing natural gas. Compliance is continuously demonstrated using a CEMS at the gas turbine exhaust stack.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 23 (high), 6E (low-medium)NON-DISPERSIVE INFRARED

Upper Permit Limit: 15.0 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 81: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 81.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: 1BD

Emission Unit: U-00002

Emission Point: 00002

Process: 2BD

Emission Unit: U-00003

Emission Point: 00003



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Facility DEC ID: 4192200055

Process: 3BD

Regulated Contaminant(s):

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

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This NOx emission limit of 9.0 ppmv corrected to 15% oxygen is a three hour block average based on the higher heating value of the fuel. This limit applies during normal operation while the turbines are firing fuel oil. Compliance will be continuously demonstrated using a CEMS at the gas turbine exhaust stack.

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 9.0 parts per million by volume

(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60, Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 82: Compliance Certification

Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 82.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: 1BG

Emission Unit: U-00002

Emission Point: 00002

Process: 2BG

Emission Unit: U-00003

Emission Point: 00003

Process: 3BG

Regulated Contaminant(s):

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

Item 82.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This NOx emission limit of 2.0 ppmv corrected to 15% oxygen is a three hour block average based on the higher heating value of the fuel. This limit applies during normal operation while the turbines are firing natural gas. Compliance will be continuously demonstrated using a CEMS at the gas turbine exhaust stack.

Test

Manufacturer Name/Model Number: ROSEMOUNT MODEL 951C

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 83: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 83.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ATHENS GENERATING IS PROPOSING A FUEL SULFUR LIMIT OF 0.05 PERCENT BY WEIGHT. FOR FUEL OIL, USING ONE OF THE TOTAL SULFUR SAMPLING OPTIONS AND THE ASSOCIATED SAMPLING FREQUENCY DESCRIBED IN SECTIONS 2.2.3, 2.2.4.1, 2.2.4.2, AND 2.2.4.3 OF APPENDIX D TO PART 75.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.05 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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Facility DEC ID: 4192200055



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.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 84.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reference Test Method: 40 CFR appendix B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 85: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

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

Item 85.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 1BG

Emission Unit: U-00001 Emission Point: 00001
Process: 1MG

Emission Unit: U-00002 Emission Point: 00002
Process: 2BG

Emission Unit: U-00002 Emission Point: 00002
Process: 2MG

Emission Unit: U-00003 Emission Point: 00003
Process: 3BG

Emission Unit: U-00003 Emission Point: 00003
Process: 3MG

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

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility previously determined that the natural gas meets the definition of natural gas as described in §60.331(u) with a sulfur content below 0.5 gr/100 scf.

The facility will perform monthly emission calculations and will either perform an annual sulfur content analysis or obtain such an analysis from the gas supplier.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 grains per 100 dscf

Reference Test Method: APPENDIX D

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 87: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 87.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Unit: U-00006

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start compression ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according

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to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 88: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 72.9, Subpart A

Item 88.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR Part 72.9 lists the requirements for permits, monitoring, SO₂ allowances, recordkeeping, and reporting. Sulfur dioxide emissions will be calculated hourly based on fuel usage and sulfur content in accordance with 40 CFR 60, Subpart GG, 40 CFR Part 72, and 40 CFR Part 75.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

Condition 89: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 89.1:

The Compliance Certification activity will be performed for the Facility.

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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 §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

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

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

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 90.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

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 §§97.513 through 97.518 of Subpart BBBBB. 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 Ozone Season source (facility) and each TR NO_x Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.
- (3) The emissions data determined shall be used to calculate allocations of TR NO_x Ozone Season allowances and to determine compliance with the TR 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 TR NO_x Ozone Season facility and each TR NO_x Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NO_x Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 91: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 91.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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 §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 92: Emission Point Definition By Emission Unit
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 92.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 180

Diameter (in.): 228

NYTMN (km.): 4680.713 NYTME (km.): 594.753 Building: TB

Item 92.2:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 180

Diameter (in.): 228

NYTMN (km.): 4680.699 NYTME (km.): 594.818 Building: TB

Item 92.3:

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



Emission Unit: U-00003

Emission Point: 00003
Height (ft.): 180 Diameter (in.): 228
NYTMN (km.): 4680.685 NYTME (km.): 594.883 Building: TB

Item 92.4:

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

Emission Unit: U-00004

Emission Point: 00004
Height (ft.): 32 Diameter (in.): 3
NYTMN (km.): 4680.738 NYTME (km.): 594.733

Item 92.5:

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

Emission Unit: U-00005

Emission Point: 00005
Height (ft.): 15 Diameter (in.): 14
NYTMN (km.): 4680.608 NYTME (km.): 594.786

Item 92.6:

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

Emission Unit: U-00006

Emission Point: 00006
Height (ft.): 13 Diameter (in.): 6
NYTMN (km.): 4680.839 NYTME (km.): 594.752

**Condition 93: Process Definition By Emission Unit
Effective between the dates of 07/01/2016 and 06/30/2021**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 93.1:

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

Emission Unit: U-00001
Process: 1BD Source Classification Code: 2-01-001-01
Process Description:

Westinghouse Model 501G combustion Turbine firing low sulfur (<0.05%) distillate fuel oil with a maximum input rating of 2,940 MMBtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Base load operation, rated at 245 MW at ISO conditions.



Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.2:

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

Emission Unit: U-00001
Process: 1BG Source Classification Code: 2-01-002-01

Process Description:

Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmBtu/hr. Nitrogen oxide (NOx) emissions are controlled with dry low NOx combustion technology and selective catalytic reduction (SCR) using aqueous ammonia injection. Base load operation is rated at 245 MW at ISO conditions.

Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.3:

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

Emission Unit: U-00001
Process: 1MD Source Classification Code: 2-01-001-01

Process Description:

Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmbtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.4:

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

Emission Unit: U-00001
Process: 1MG Source Classification Code: 2-01-002-01

Process Description:

Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmbtu/hr. NOx emissions are controlled with dry low-NOx combustion technology and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.5:

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



Emission Unit: U-00001
Process: 1SD Source Classification Code: 2-01-001-01

Process Description:
Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmbtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Start-up and shut-down operation, at operation loads less than 75%.

Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.6:

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

Emission Unit: U-00001
Process: 1SG Source Classification Code: 2-01-002-01

Process Description:
Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmbtu/hr. NOx emissions are controlled with dry low-NOx combustion technology and SCR using aqueous ammonia injection. Start-up and shut-down operation, at operation loads less than 75%.

Emission Source/Control: 00CT1 - Combustion
Design Capacity: 245 megawatt

Item 93.7:

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

Emission Unit: U-00002
Process: 2BD Source Classification Code: 2-01-001-01

Process Description:
Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmbtu/hr. NOx emissions are controlled with water/steam injection and SCR using aqueous ammonia injection. Base load operation, rated 245 MW at ISO conditions.

Emission Source/Control: 00CT2 - Combustion
Design Capacity: 245 megawatt

Item 93.8:

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

Emission Unit: U-00002
Process: 2BG Source Classification Code: 2-01-002-01

Process Description:
Westinghouse Model 501G combustion turbine firing natural

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gas with maximum input rating of 3100 mmbtu/hr. NOx emissions are controlled with dry low-NOx combustion technology and SCR using aqueous ammonia injection. Base load operation, rated 245 mw at ISO conditions.

Emission Source/Control: 00CT2 - Combustion
Design Capacity: 245 megawatt

Item 93.9:

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

Emission Unit: U-00002
Process: 2MD Source Classification Code: 2-01-001-01
Process Description:

Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmbtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT2 - Combustion
Design Capacity: 245 megawatt

Item 93.10:

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

Emission Unit: U-00002
Process: 2MG Source Classification Code: 2-01-002-01
Process Description:

Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmbtu/hr. NOx emissions are controlled with dry low-NOx combustion technology and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT2 - Combustion
Design Capacity: 245 megawatt

Item 93.11:

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

Emission Unit: U-00002
Process: 2SD Source Classification Code: 2-01-001-01
Process Description:

Westinghouse model 501G combustion turbine firing low sulfur (0.05%) distillate fuel oil with maximum input rating of 2940 mmBtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Startup and shutdown operation, at operation loads less than 75%.

Emission Source/Control: 00CT2 - Combustion



Design Capacity: 245 megawatt

Item 93.12:

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

Emission Unit: U-00002

Process: 2SG

Source Classification Code: 2-01-002-01

Process Description:

Westinghouse model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmBtu/hr. NO_x emissions are controlled with dry low NO_x combustion technology and SCR using aqueous ammonia injection. Startup and shutdown operation, at operation loads less than 75%.

Emission Source/Control: 00CT2 - Combustion

Design Capacity: 245 megawatt

Item 93.13:

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

Emission Unit: U-00003

Process: 3BD

Source Classification Code: 2-01-001-01

Process Description:

Westinghouse model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmBtu/hr. NO_x emissions are controlled with water/steam injection and SCR using aqueous ammonia injection. Base load operation rated at 245 MW at ISO conditions.

Emission Source/Control: 00CT3 - Combustion

Design Capacity: 245 megawatt

Item 93.14:

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

Emission Unit: U-00003

Process: 3BG

Source Classification Code: 2-01-002-01

Process Description:

Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmBtu/hr. NO_x emissions are controlled with dry low-NO_x combustion technology and SCR using aqueous injection. Base load operation, rated at 245 MW at ISO conditions.

Emission Source/Control: 00CT3 - Combustion

Design Capacity: 245 megawatt

Item 93.15:

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



Emission Unit: U-00003
Process: 3MD Source Classification Code: 2-01-001-01

Process Description:
Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmBtu/hr. NOx emissions are controlled with water/steam injection and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT3 - Combustion
Design Capacity: 245 megawatt

Item 93.16:

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

Emission Unit: U-00003
Process: 3MG Source Classification Code: 2-01-002-01

Process Description:
Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmBtu/hr. NOx emissions are controlled with dry low-NOx combustion technology and SCR using aqueous ammonia injection. Minimum operation load is 75%.

Emission Source/Control: 00CT3 - Combustion
Design Capacity: 245 megawatt

Item 93.17:

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

Emission Unit: U-00003
Process: 3SD Source Classification Code: 2-01-001-01

Process Description:
Westinghouse Model 501G combustion turbine firing low sulfur (<0.05%) distillate fuel oil with maximum input rating of 2940 mmbtu/hr. NOx emissions are controlled with water or steam injection and SCR using aqueous ammonia injection. Start-up and shut-down operation, at operation loads less than 75%.

Emission Source/Control: 00CT3 - Combustion
Design Capacity: 245 megawatt

Item 93.18:

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

Emission Unit: U-00003
Process: 3SG Source Classification Code: 2-01-002-01

Process Description:
Westinghouse Model 501G combustion turbine firing natural gas with maximum input rating of 3100 mmbtu/hr. NOx emissions are controlled with dry low-NOx combustion

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Facility DEC ID: 4192200055



technology and SCR using aqueous ammonia injection.
Start-up and shut-down operation, at operation loads less
than 75%.

Emission Source/Control: 00CT3 - Combustion
Design Capacity: 245 megawatt

Item 93.19:

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

Emission Unit: U-00004
Process: AST Source Classification Code: 4-07-146-98
Process Description:

Three 20,000 gallon tanks used to store ammonium hydroxide solution. The maximum amount of ammonium hydroxide stored is 54,000 gallons. Ammonium hydroxide is used to control nitrogen oxides in the gas turbine selective catalytic reduction control systems. The tank relief vents are maintained at 11.5 psi to reduce or prevent the release of ammonia vapors.

Emission Source/Control: 0AST1 - Process
Design Capacity: 20 1000 gallons

Emission Source/Control: 0AST2 - Process
Design Capacity: 20 1000 gallons

Emission Source/Control: 0AST3 - Process
Design Capacity: 20 1000 gallons

Item 93.20:

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

Emission Unit: U-00005
Process: DEG Source Classification Code: 2-02-001-02
Process Description:

Diesel fired emergency generator, Caterpillar type SR4B, with 3512b-1e engine, rated at 1500 kw. Maximum fuel consumption is 112.7 gph, with 500 gallon double wall tank with rupture basin. Maximum operation is 500 hours/year.

Emission Source/Control: 00DEG - Combustion
Design Capacity: 1,500 kilowatts

Item 93.21:

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

Emission Unit: U-00006
Process: DFP Source Classification Code: 2-02-001-02
Process Description:

Diesel emergency fire pump, Detroit model JDFP-06WA, 6 cylinder, rated at 265 hp, with maximum fuel consumption

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of 13.98 gph. Maximum operation is 500 hours/year.

Emission Source/Control: 00DFP - Combustion

Design Capacity: 265 horsepower (electric)

Condition 94: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 212.4

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Emission Point: 00004

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 94.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Ammonium hydroxide (ammonia) emissions are controlled by installation of a pressurized storage tank and a vapor recovery system (closed loop delivery system) to be operated during filling of the ammonium hydroxide storage tanks. The pressure range of 11.5-15 psig demonstrates BACT control for this emission unit.

Parameter Monitored: PRESSURE

Lower Permit Limit: -14.56 pounds per square inch gauge

Upper Permit Limit: 15.0 pounds per square inch gauge

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 95: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

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Facility DEC ID: 4192200055



Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 97: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit is a discrete one hour average at design operating conditions. The unit demonstrated compliance during an initial compliance test. The unit will be maintained according to the manufacturer's specifications with an annual tune-up.

Upper Permit Limit: 0.5 pounds per hour

Reference Test Method: RM-25A with Methane/Ethane backout

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 98: Compliance Certification
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

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

Item 98.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit is a discrete one hour average at design operating conditions. The unit demonstrated compliance during an initial compliance test. The unit will be maintained according to the manufacturer's specifications with an annual tune-up.

Upper Permit Limit: 18.0 pounds per hour

Reference Test Method: RM-20/7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 99: Contaminant List
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable State Requirement:ECL 19-0301

Item 99.1:

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

CAS No: 000050-00-0
Name: FORMALDEHYDE

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

CAS No: 0NY075-00-0
Name: PARTICULATES

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



Condition 101: Unavoidable noncompliance and violations
Effective between the dates of 07/01/2016 and 06/30/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 101.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) 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.

