



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3346-00075/00008
Effective Date: 12/05/2016 Expiration Date: 12/04/2021

Permit Issued To: ROSETON GENERATING LLC
811 MAIN ST STE 3500
HOUSTON, TX 77002

Contact: JOSEPH ROTHBAUER
ROSETON GENERATING LLC
811 MAIN ST STE 3500
HOUSTON, TX 77002
(281) 378-1100

Facility: ROSETON GENERATING STATION
992 RIVER RD
NEWBURGH, NY 12550

Contact: ERIC J SHAW
ROSETON GENERATING LLC
992 RIVER RD
NEWBURGH, NY 12550
(845) 563-4936

Description:

ATV permit renewal 3 for Roseton Generating Station. This permit renewal will be submitted to the USEPA for approval as a revision to the State Implementation Plan (SIP). One of the main changes to the permit is the averaging period of the NOx BART limit of 0.2 lb/MMBtu for Units 1 and 2. This limit has been revised from an annual average to a 24-hour average during the ozone season, and a 30-day average during the non-ozone season. These new averaging times align with the BART limit that was approved by EPA on August 28th, 2012. The permit's NOx RACT conditions have also been revised to match the presumptive limit of 6 NYCRR Part 227-2.

All conditions involving Emission Unit R-0000A have been removed. This auxiliary boiler was replaced by the new boiler, R-0000B, in 2014. Sulfur content limits for No. 6 fuel oil and diesel fuel have been updated and added to the permit under 6 NYCRR Part 225-1.2. The CAIR requirements under 6 NYCRR Parts 243, 244, and 245 have been removed and replaced with CSAPR rules under 40 CFR Part 97, Subparts AAAAA, BBBBB and CCCCC. Additional conditions under the following NSPS and NESHAP regulation subparts have also been added to the permit: 40 CFR 60 ZZZZ, 40 CFR 63 DDDDD and 40 CFR 63 UUUUU.

Roseton Generating Station is located in the Town of Newburgh, Orange County. The facility operates two Combustion Engineering, tangentially-fired, steam generating boilers, each rated at 600 MW. Both units are capable of firing No. 6 fuel oil and natural gas as primary fuels. In

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Facility DEC ID: 3334600075



addition, both units are capable of firing natural gas or No. 2 fuel oil as their ignition fuel during warm-up. The facility also operates one 32.7 MMBtu/hr natural gas-fired auxiliary boiler that supplies steam heating to various on-site buildings, tanks and fuel oil lines. Two emergency diesel generators sized at 850 hp and 300 hp are also located on-site. Roseton is considered a major facility and is therefore subject to the provisions of Title V specified under 6 NYCRR subpart 201-6.

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: GEORGE A SWEIKERT
 NYSDEC - REGION 3
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

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
 - 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 3 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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



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

Condition 4: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 4.1:

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

Item 4.2:

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

Item 5.1:

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 6: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation

Permit ID: 3-3346-00075/00008

Facility DEC ID: 3334600075



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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811 MAIN ST STE 3500
HOUSTON, TX 77002

Facility: ROSETON GENERATING STATION
992 RIVER RD
NEWBURGH, NY 12550

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

Permit Effective Date: 12/05/2016

Permit Expiration Date: 12/04/2021



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 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 211.1: Air pollution prohibited
- 24 6 NYCRR 225-1.2 (e): Compliance Certification
- 25 6 NYCRR 225-1.2 (h): Compliance Certification
- 26 6 NYCRR 227-1.2 (a) (1): Compliance Certification
- 27 6 NYCRR 227-1.3 (a): Compliance Certification
- 28 6 NYCRR 227-1.4 (b): Compliance Certification
- 29 6 NYCRR 227-2.4 (a) (1) (ii): Compliance Certification
- 30 6 NYCRR 227-2.5 (a): Compliance Certification
- 31 6 NYCRR 227-2.6: Compliance Certification
- 32 6 NYCRR 249.3 (a): Compliance Certification
- 33 6 NYCRR 249.3 (f): Compliance Certification
- 34 40CFR 63, Subpart UUUUU: Compliance Certification
- 35 40CFR 63, Subpart UUUUU: Compliance Certification
- 36 40CFR 63, Subpart UUUUU: Compliance Certification
- 37 40CFR 63, Subpart UUUUU: Compliance Certification
- 38 40CFR 63, Subpart UUUUU: Compliance Certification
- 39 40CFR 63.9984(b), Subpart UUUUU: Compliance Date for Existing Sources
- 40 40CFR 63.9990(b), Subpart UUUUU: Compliance Certification
- 41 40CFR 63.10000(b), Subpart UUUUU: Compliance Certification
- 42 40CFR 63.10000(c)(2)(iv), Subpart UUUUU: Limited use boiler requirements
- 43 40CFR 63.10021, Subpart UUUUU: Continuous Compliance



- 44 40CFR 63.10021, Subpart UUUUU: Compliance Certification
 - 45 40CFR 63.10021, Subpart UUUUU: Compliance Certification
 - 46 40CFR 63.10030, Subpart UUUUU: Compliance Certification
 - 47 40CFR 63.10030, Subpart UUUUU: Compliance Certification
 - 48 40CFR 63.10031, Subpart UUUUU: Compliance Certification
 - 49 40CFR 63.10031, Subpart UUUUU: Compliance Certification
 - 50 40CFR 63.10031, Subpart UUUUU: Compliance Certification
 - 51 40CFR 63.10032, Subpart UUUUU: Compliance Certification
 - 52 40CFR 63.10032(a), Subpart UUUUU: Compliance Certification
 - 53 40CFR 63.10032(j), Subpart UUUUU: Limited use boiler recordkeeping requirements
 - 54 40CFR 63.10033, Subpart UUUUU: Form of Records
 - 55 40CFR 63.10040, Subpart UUUUU: General Provisions
 - 56 40CFR 63.6602, Subpart ZZZZ: Compliance Certification
 - 57 40CFR 63.6605(b), Subpart ZZZZ: Compliance Certification
 - 58 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
 - 59 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
 - 60 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
 - 61 40CFR 63.6625(i), Subpart ZZZZ: Compliance Certification
 - 62 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
 - 63 40CFR 63.6655(e), Subpart ZZZZ: Compliance Certification
 - 64 40CFR 63.6660, Subpart ZZZZ: Compliance Certification
 - 65 40CFR 72.9, Subpart A: Compliance Certification
 - 66 40CFR 75.10(a), Subpart B: Compliance Certification
 - 67 40CFR 75.10(b), Subpart B: Compliance Certification
 - 68 40CFR 75.10(c), Subpart B: Compliance Certification
 - 69 40CFR 75.10(d), Subpart B: Compliance Certification
 - 70 40CFR 75.13(a), Subpart B: Compliance Certification
 - 71 40CFR 75.20, Subpart C: Compliance Certification
 - 72 40CFR 75.64(a), Subpart G: Compliance Certification
 - 73 40CFR 97.406, Subpart AAAAA: Compliance Certification
 - 74 40CFR 97.506, Subpart BBBBB: Compliance Certification
 - 75 40CFR 97.606, Subpart CCCCC: Compliance Certification
- Emission Unit Level**
- 76 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 77 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-R0001,EP=00001

- 78 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-R0002,EP=00002

- 79 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-R000B

- 80 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification
- 81 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -
If a COM is not used.
- 82 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 83 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 84 40CFR 63, Subpart DDDDD: Compliance Certification



- 85 40CFR 63.7495(a), Subpart DDDDD: Compliance Certification
- 86 40CFR 63.7500(a)(3), Subpart DDDDD: Good air pollution control practices
- 87 40CFR 63.7510(g), Subpart DDDDD: Compliance Certification
- 88 40CFR 63.7515(d), Subpart DDDDD: Compliance Certification
- 89 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification
- 90 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification
- 91 40CFR 63.7545(a), Subpart DDDDD: Compliance Certification
- 92 40CFR 63.7545(c), Subpart DDDDD: New source notification
- 93 40CFR 63.7545(e), Subpart DDDDD: Compliance Certification
- 94 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
- 95 40CFR 63.7550(c), Subpart DDDDD: Compliance Certification
- 96 40CFR 63.7555(a), Subpart DDDDD: Compliance Certification
- 97 40CFR 63.7560, Subpart DDDDD: Compliance Certification
- 98 40CFR 63.7565, Subpart DDDDD: General Provisions

EU=U-R000W

- 99 6 NYCRR 212-2.4 (b): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 100 ECL 19-0301: Contaminant List
- 101 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 102 6 NYCRR 211.2: Visible Emissions Limited
- 103 6 NYCRR 227-1.4 (a): Compliance Demonstration
- 104 6 NYCRR 242-1.5: Compliance Demonstration
- 105 6 NYCRR Subpart 242-4: Compliance Demonstration

Emission Unit Level

- 106 6 NYCRR Subpart 242-8: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

i. 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 12/05/2016 and 12/04/2021**

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



emission control required.

Condition 2: Fees
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 4.1:

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



Condition 5: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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 12/05/2016 and 12/04/2021

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 record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;



and

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

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

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

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

Chief – 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
21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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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 12/05/2016 and 12/04/2021

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.

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 12/05/2016 and 12/04/2021

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 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:



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

Condition 10: Maintenance of Equipment
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 12/05/2016 and 12/04/2021

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in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Emission Unit Definition
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-R0001

Emission Unit Description:

Roseton Unit 1 is a 600 MW Combustion Engineering, tangentially-fired steam generating boiler. This unit began commercial operation in December of 1974 and was modified in May of 1992 to enable the unit to co-fire or exclusively fire natural gas, in addition to No. 6 fuel oil.

Building(s): ROSE1

Item 21.2:

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

Emission Unit: U-R0002

Emission Unit Description:

Roseton Unit 2 is a 600 MW Combustion Engineering, tangentially-fired steam generating boiler. The unit began commercial operation in September of 1974 and was modified in December of 1991 to enable the unit to co-fire or

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exclusively fire natural gas, in addition to No. 6 fuel oil.

Building(s): ROSE2

Item 21.3:

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

Emission Unit: U-R000B

Emission Unit Description:

One 32.656 MMBtu/hr, natural gas-fired auxiliary boiler used to supply steam heating to the facility buildings (main facility, transfer pump house, service building), heating for day tanks and steam heat tracing for fuel oil lines. The boiler is equipped with integral low NOx burners.

Building(s): ROSE_AUX

Item 21.4:

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

Emission Unit: U-R000W

Emission Unit Description:

Sludge from settling basins is transported to the storage facility, dried at ambient temperatures, stored, and transferred off-site for beneficial use.

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 22.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 23: Air pollution prohibited
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

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Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 24: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the purchase of residual oil with a sulfur content of 0.50% sulfur on or after July 1, 2014 and to the firing of residual oil with a sulfur content of 0.50% on or after July 1, 2016.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 25.1:



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The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Certification

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Process: R1O

Emission Point: 00001

Emission Source: SR001

Emission Unit: U-R0002

Process: R2O

Emission Point: 00002

Emission Source: SR002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 26.2:

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The auxiliary boiler is prohibited from exhibiting greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the facility perform a method 9 opacity evaluation.

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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 28: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of Units 1 and 2 shall submit an accurate excess opacity emissions and continuous opacity monitoring system (COMS) report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not exceed 27 percent;

(2) For each period of excess emission, specific identification of the cause and corrective action taken;

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(3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;

(4) The total time in which the COMS are required to record data during the reporting period;

(5) The total number of exceedances and the duration of exceedances expressed as a percentage of the total time in which the COMS are required to record data; and

(6) Such other things as the Department may deem necessary, proper or desirable in order to enforce Article 19 of the Environmental Conservation Law or the rules promulgated thereunder.

Item (6) includes the Opacity Incident Report (OIR) which shall be prepared for each excess opacity event. Each OIR shall include a description of the sequence of events, an explanation of the cause of the event, a description of the corrective actions taken and any preventive measures.

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 1/30/2017.

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

Condition 29: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1) (ii)

Item 29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

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)

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Monitoring Description:

The facility will comply with the presumptive NO_x RACT limit of 0.15 lb/MMBtu by burning a cleaner fuel in Units 1 and 2 between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NO_x emissions equal to or less than the NO_x emissions expected if the emission source complied with the applicable presumptive RACT emission limit. CEMS data will be used to verify that the measured NO_x emissions from each boiler during the calendar year satisfy the following:

$$ERNO_x * HIT \leq 0.15 * HIT$$

Where:

ERNO_x = the arithmetic average NO_x emission rate (in lb/MMBtu) measured by the CEMS during the calendar year.

HIT = the total heat input (in MMBtu) to the boiler from all fuels during the calendar year.

0.15 = the presumptive RACT NO_x emission rate limit (in lb/MMBtu) for tangential, gas/oil-fired, very large boilers (from 6 NYCRR Part 227-2.4(a)(1)(ii)).

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: EPA Approved Method

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - 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 30: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Process: R10

Emission Unit: U-R0002

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Process: R2O

Regulated Contaminant(s):

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility will comply with the NOx RACT requirements by using the fuel switching compliance option for Units 1 and 2 as follows:

- (a) Each unit will fire only natural gas during the ozone season (May 1st – September 30th), except that the boiler may fire fuel oil alone or in combination with natural gas during periods when the natural gas supply is insufficient to meet the electrical output load levels or ramp rates required by the NYISO dispatch for the Unit. Consistent with good engineering and operating practices, Roseton will achieve the maximum load or ramp rate possible using natural gas alone before firing No. 6 fuel oil to satisfy dispatch load or ramp rate requirements during the ozone season.
- (b) The total heat input to each Unit from the combustion of fuel oil shall not exceed 1,440,000 MMBtu per unit during each ozone season.
- (c) The permittee will maintain records of all periods during the ozone season when Emission Units U-R0001 or U-R0002 operate on fuel oil, including the reason for the fuel oil operations and the amount of fuel oil combusted.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 1440000 million British thermal units

Reference Test Method: EPA Approved

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - 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 31: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 6 NYCRR 227-2.6

Item 31.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Regulated Contaminant(s):

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Units 1 and 2, the owner and/or operator shall:

(a) Calculate all 24-hour daily, arithmetic average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) Demonstrate compliance with the appropriate limit by using a CEMS meeting the requirements of 40 CFR 75 to measure hourly NO_x emissions and by calculating a 24-hour arithmetic average NO_x emission rate. A 30 day rolling average may be used to demonstrate compliance with the applicable emission limit from October 1 to April 30. For sources using the fuel switching compliance option in 6 NYCRR 227-2.3(a) compliance will be based on annual average NO_x emissions.

(c) Determine the 24-hour daily average NO_x emission rate for each boiler operating day based on the arithmetic average of the block hourly, arithmetic average emission rates (calculated using CEMS data) during each 24-hour daily period (from 12:00 a.m. to 12:00 a.m. the following day) in which the Unit operates. The 30-day rolling average is the arithmetic average of the 24-hour dialing NO_x emission rates for the previous 30 boiler operating days. The annual average NO_x emission rate will be determined based on the arithmetic average of the hourly average NO_x emission rates for hours during the calendar year in which the Unit operated.



(d) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operation. All valid CEMS data must be used in calculating emission rates even if the minimum data requirements are not met.

(e) The procedures under 40 CFR Part 60, Appendix B, Performance Specification 2 or 40 CFR Part 75, Appendices A & B; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(f) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertification, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR Part 60, Appendix F or 40 CFR Part 75, as applicable.

When NO_x emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO_x emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to 40 CFR Part 75 may use 40 CFR Part 75 data substitution procedures for periods when no valid CEMS data is available.

Following each calendar quarter, the owner and/or operator shall tabulate and summarize applicable emission, monitoring, and operating parameter measurements recorded during the preceding three months for Units 1 and 2 (including but not limited to type and fuel burned daily, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO_x emission rate, the allowable NO_x emission rate), and any of the following operating parameters which are applicable, recorded during the preceding three months. Such quarterly summaries must be submitted within 30 days after the end of each calendar quarter in a format acceptable to the Department, and include at a minimum:

(a) the 24 hour daily and 30 boiler operating day rolling, arithmetic average NO_x emission rates;

(b) identification of the operating days when NO_x emissions data is not included in the calculation of the average emission rate and the reasons for not including that data;

(c) the results of CEMS performance evaluations and accuracy assessments required by 40 CFR Part 60, Appendix

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B & F or 40 CFR 75, Appendix A & B, as applicable;
and

(d) the maximum heat input capacity.

Required emissions, monitoring, and operating parameter records, quarterly and annual summaries, and records of any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

Reference Test Method: EPA Approved

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SO2 emissions from Units 1 and 2 are limited to 0.55 lb/MMBtu with a 24 hour averaging period for each unit in order to satisfy the facility's BART requirements. 40 CFR Part 75 Appendix D, Optional SO2 Emissions Data Protocol for Gas-Fired and Oil-Fired Units, will be used to calculate SO2 emissions.

This limit is based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249) and is effective (and state-enforceable) on the date of this permit's issuance. Federal enforceability of this facility-specific requirement is effective on the date on which the emission limit, as submitted to EPA as a revision to New York

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State's Implementation Plan for Regional Haze, is published in the Federal Register.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 0.55 pounds per million Btus
Reference Test Method: 40 CFR Part 75, Appendix D
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 3 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 6 NYCRR 249.3 (f)

Item 33.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from Units 1 and 2 are limited to 0.20 lb/MMBtu for each unit. Wind box optimization will be used along with fuel switching in order to satisfy the facility's BART requirements. The emission limit will be determined by using a 24-hour averaging period during the ozone season (May 1st – September 30th) and a 30-day averaging period during the non-ozone season (October 1st – April 30th). A CEMS will be used to monitor emissions. Records must be maintained on-site and submitted to the Department quarterly.

This limit is based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249) and is effective (and state-enforceable) on the date of this permit's

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issuance. Federal enforceability of this facility-specific requirement is effective on the date on which the emission limit, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, is published in the Federal Register.

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: EPA Approved Method
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 3 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63, Subpart UUUUU

Item 34.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton's very large boilers, Units 1 and 2, meet the definition of oil-fired EGUs (as defined in 40 CFR 63.10042), and are therefore subject to Subpart UUUUU. According to 40 CFR 63.9982, as outlined below, these two units are considered to be existing units:

(a) This subpart applies to each individual or group of two or more new, reconstructed, or existing affected source(s) as described in paragraphs (a)(1) and (2) of this section within a contiguous area and under common control.

(1) The affected source of this subpart is the collection of all existing coal- or oil-fired EGUs, as defined in §63.10042, within a subcategory.



(2) The affected source of this subpart is each new or reconstructed coal- or oil-fired EGU as defined in §63.10042.

(b) An EGU is new if you commence construction of the coal- or oil-fired EGU after May 3, 2011.

(c) An EGU is reconstructed if you meet the reconstruction criteria as defined in §63.2, and if you commence reconstruction after May 3, 2011.

(d) An EGU is existing if it is not new or reconstructed. An existing electric steam generating unit that meets the applicability requirements after the effective date of this final rule due to a change in process (e.g., fuel or utilization) is considered to be an existing source under this subpart.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63, Subpart UUUUU

Item 35.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton must meet the requirements in paragraphs (a)(1) and (b) of 40 CFR 63.9991:

(a)(1) Roseton must meet each emission limit and work practice standard in Table 1 through 3 to this subpart that applies to both of its EGUs, except as provided under §63.10009.

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(b) As provided in §63.6(g), the Administrator may approve use of an alternative to the work practice standards in this section.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63, Subpart UUUUU

Item 36.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton's Units 1 and 2 are subject to the following initial compliance requirements according to 40 CFR 63.10005(f):

(f) For an existing EGU without a neural network, a tune-up, following the procedures in §63.10021(e), must occur within 6 months (180 days) after April 16, 2015. For an existing EGU with a neural network, a tune-up must occur within 18 months (545 days) after April 16, 2016. If a tune-up occurs prior to April 16, 2015, you must keep records showing that the tune-up met all rule requirements.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Compliance Certification



Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63, Subpart UUUUU

Item 37.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Roseton's Units 1 and 2 are subject to the following
initial compliance notification requirements according to
40 CFR 63.10005(k):

(k) You must submit a Notification of Compliance Status
summarizing the results of your initial compliance
demonstration, as provided in §63.10030.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Certification

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63, Subpart UUUUU

Item 38.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Roseton must conduct a performance tune-up on Units 1 and
2 according to §63.10021(e). Subsequent tune-ups must be
conducted as follows, according to 40 CFR 63.10006(i)(1)
and (2):



(i)(1) For EGUs not employing neural network combustion optimization during normal operation, each performance tune-up specified in §63.10021(e) must be no more than 36 calendar months after the previous performance tune-up.

(2) For EGUs employing neural network combustion optimization systems during normal operation, each performance tune-up specified in §63.10021(e) must be no more than 48 calendar months after the previous performance tune-up.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Date for Existing Sources
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.9984(b), Subpart UUUUU

Item 39.1:

The owner or operator of an existing EGU must comply with Subpart UUUUU no later than April 16, 2015. Compliance must be demonstrated by conducting the required performance tests and other activities no later than 180 days after the compliance date.

Condition 40: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.9990(b), Subpart UUUUU

Item 40.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As listed in 40 CFR 63.9990(b)(3) and defined in 40 CFR 63.10042, limited-use liquid oil-fired subcategory means

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an oil-fired electric utility steam generating unit with an annual capacity factor of less than 8 percent of its maximum or nameplate heat input, whichever is greater, averaged over a 24-month block contiguous period commencing April 16, 2015.

Roseton can utilize this provision for Units 1 and 2 by maintaining records to demonstrate compliance with the above requirements and meet the Work Practice requirements found in Table 3.

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 41: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10000(b), Subpart UUUUU

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

According to 40 CFR 63.10000(b), at all times the facility must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the EPA Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

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in Tables 1 through 4 to this subpart or failed to conduct a required tune-up. These instances are deviations from the requirements of this subpart. These deviations must be reported according to §63.10031.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10021, Subpart UUUUU

Item 45.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton Units 1 and 2 are subject to the performance tune-up requirements under 40 CFR Part 63.10021(e), as outlined below:

(e) The facility must conduct periodic performance tune-ups of the EGUs, as specified in paragraphs (e)(1) through (9) of this section. For the first tune-up, the facility may perform the burner inspection any time prior to the tune-up or may delay the first burner inspection until the next scheduled EGU outage provided the facility meets the requirements of §63.10005. Subsequently, the facility must perform an inspection of the burner at least once every 36 calendar months unless the EGU employs neural network combustion optimization during normal operations in which case the facility must perform an inspection of the burner and combustion controls at least once every 48 calendar months. If the EGU is offline when a deadline to perform the tune-up passes, the facility shall perform the tune-up work practice requirements within 30 days after the re-start of the affected unit.

(1) As applicable, inspect the burner and combustion controls, and clean or replace any components of the



burner or combustion controls as necessary upon initiation of the work practice program and at least once every required inspection period. Repair of a burner or combustion control component requiring special order parts may be scheduled as follows:

(i) Burner or combustion control component parts needing replacement that affect the ability to optimize NOX and CO must be installed within 3 calendar months after the burner inspection,

(ii) Burner or combustion control component parts that do not affect the ability to optimize NOX and CO may be installed on a schedule determined by the operator;

(2) As applicable, inspect the flame pattern and make any adjustments to the burner or combustion controls necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available, or in accordance with best combustion engineering practice for that burner type;

(3) As applicable, observe the damper operations as a function of mill and/or cyclone loadings, cyclone and pulverizer coal feeder loadings, or other pulverizer and coal mill performance parameters, making adjustments and effecting repair to dampers, controls, mills, pulverizers, cyclones, and sensors;

(4) As applicable, evaluate windbox pressures and air proportions, making adjustments and effecting repair to dampers, actuators, controls, and sensors;

(5) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly. Such inspection may include calibrating excess O₂ probes and/or sensors, adjusting overfire air systems, changing software parameters, and calibrating associated actuators and dampers to ensure that the systems are operated as designed. Any component out of calibration, in or near failure, or in a state that is likely to negate combustion optimization efforts prior to the next tune-up, should be corrected or repaired as necessary;

(6) Optimize combustion to minimize generation of CO and NOX. This optimization should be consistent with the manufacturer's specifications, if available, or best combustion engineering practice for the applicable burner type. NOX optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, adjusting combustion zone temperature



profiles, and add-on controls such as SCR and SNCR; CO optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, and adjusting combustion zone temperature profiles;

(7) While operating at full load or the predominantly operated load, measure the concentration in the effluent stream of CO and NOX in ppm, by volume, and oxygen in volume percent, before and after the tune-up adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). The facility may use portable CO, NOX and O2 monitors for this measurement. EGU's employing neural network optimization systems need only provide a single pre- and post-tune-up value rather than continual values before and after each optimization adjustment made by the system;

(8) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (e)(1) through (e)(9) of this section including:

(i) The concentrations of CO and NOX in the effluent stream in ppm by volume, and oxygen in volume percent, measured before and after an adjustment of the EGU combustion systems;

(ii) A description of any corrective actions taken as a part of the combustion adjustment; and

(iii) The type(s) and amount(s) of fuel used over the 12 calendar months prior to an adjustment, but only if the unit was physically and legally capable of using more than one type of fuel during that period; and

(9) Report the dates of the initial and subsequent tune-ups in hard copy, as specified in §63.10031(f)(5), until April 16, 2017. After April 16, 2017, report the date of all tune-ups electronically, in accordance with §63.10031(f). The tune-up report date is the date when tune-up requirements in paragraphs (e)(6) and (7) of this section are completed.

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 46: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 40CFR 63.10030, Subpart UUUUU

Item 46.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following notification requirements under 40 CFR 63.10030(e), as applicable to Units 1 and 2:

(e) When the facility is required to conduct an initial compliance demonstration as specified in §63.10011(a), the facility must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable.

(1) A description of the affected source(s), including identification of the subcategory of the source, the design capacity of the source, a description of the add-on controls used on the source, description of the fuel(s) burned, including whether the fuel(s) were determined by the facility or EPA through a petition process to be a non-waste under 40 CFR 241.3, whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and justification for the selection of fuel(s) burned during the performance test.

(5) A signed certification that the facility have met all applicable emission limits and work practice standards.

(6) If the facility had a deviation from any emission limit, work practice standard, or operating limit, the facility must also submit a brief description of the deviation, the duration of the deviation, emissions point



identification, and the cause of the deviation in the Notification of Compliance Status report.

(7) In addition to the information required in §63.9(h)(2), the facility's notification of compliance status must include the following:

(ii) Certifications of compliance, as applicable, and must be signed by a responsible official stating:

(A) "This EGU complies with the requirements in §63.10021(a) to demonstrate continuous compliance." and

(B) "No secondary materials that are solid waste were combusted in any affected unit."

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 47: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10030, Subpart UUUUU

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the notification requirements of 40 CFR 63.10030(a) and (b), regarding Units 1 and 2:

(a) The facility must submit all of the notifications in §§63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) that apply to it by the dates specified.

(b) As specified in §63.9(b)(2), if the startup for an EGU

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that is an affected source is before April 16, 2012, the facility must submit an Initial Notification not later than 120 days after April 16, 2012.

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 48: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10031, Subpart UUUUU

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following reporting requirements under 40 CFR 63.10031(c), as applicable to Units 1 and 2:

(c) The compliance report must contain the information required in paragraphs (c)(1) through (9) of this section.

(1) The information required by the summary report located in 63.10(e)(3)(vi).

(4) Include the date of the most recent tune-up for each EGU. The date of the tune-up is the date the tune-up provisions specified in §63.10021(e)(6) and (7) were completed.

(9) If there has been a deviation from any emission limit, work practice standard, or operating limit, the facility must also submit a brief description of the deviation, the duration of the deviation, emissions point identification, and the cause of the deviation.



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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 49: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10031, Subpart UUUUU

Item 49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following reporting requirements under 40 CFR 63.10031(e), as applicable to Units 1 and 2:

(e) Each affected source that has obtained a Title V operating permit pursuant to part 70 or part 71 of this chapter must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 8 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any emission limit, operating limit, or work practice requirement in this subpart, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. Submission of a compliance report does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 50: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10031, Subpart UUUUU

Item 50.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following reporting requirements under 40 CFR 63.10031(a) and (b), as applicable to Units 1 and 2:

(a) The facility must submit each report in Table 8 to this subpart that applies to its sources.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 8 to this subpart and according to the requirements in paragraphs (b)(1) through (5) of this section.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

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 51: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 40CFR 63.10032, Subpart UUUUU

Item 51.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following additional recordkeeping requirements under 40 CFR 63.10032(g), (h) and (i), as applicable to Units 1 and 2:

(g) You must keep records of the occurrence and duration of each malfunction of an operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(h) You must keep records of actions taken during periods of malfunction to minimize emissions in accordance with §63.10000(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(i) You must keep records of the type(s) and amount(s) of fuel used during each startup or shutdown.

These records must be maintained on-site and provided for Department review upon request.

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 52: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021



Applicable Federal Requirement:40CFR 63.10032(a), Subpart UUUUU

Item 52.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton is subject to the following recordkeeping requirements under 40 CFR 63.10032(a), as applicable to Units 1 and 2:

(a) The owner or operator must keep records according to paragraphs (1) and (2). If the owner or operator is required to (or elect to) continuously monitor Hg and/or HCl and/or HF emissions, he/she must also keep the records required under appendix A and/or appendix B to Subpart UUUUU.

(1) A copy of each notification and report that the owner or operator submitted to comply with Subpart UUUUU, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that he/she submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance stack tests, fuel analyses, or other compliance demonstrations and performance evaluations, as required in 40 CFR 63.10(b)(2)(viii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 53: Limited use boiler recordkeeping requirements
Effective between the dates of 12/05/2016 and 12/04/2021**

Applicable Federal Requirement:40CFR 63.10032(j), Subpart UUUUU

Item 53.1:

The owner or operator of an EGU that qualifies as a limited-use liquid oil-fired EGU must keep records of the type(s) and amount(s) of fuel use in each calendar quarter to document that the



capacity factor limitation for that subcategory is met.

Condition 54: Form of Records
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10033, Subpart UUUUU

Item 54.1:

The owner's or operator's records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

Condition 55: General Provisions
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.10040, Subpart UUUUU

Item 55.1:

Table 9 to Subpart UUUUU states which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to electric generating units.

Condition 56: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6602, Subpart ZZZZ

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

Item 56.2:

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 with a site rating less than or equal to 500 brake horsepower located at a major 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,

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- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first,
- (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 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 57: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6605(b), Subpart ZZZZ

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must operate and maintain its stationary RICE, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6625(e), Subpart ZZZZ



Item 58.1:

The Compliance Certification activity will be performed for the Facility.

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
- (4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;
- (5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;
- (6) An existing non-emergency, non-black start stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;
- (7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;
- (8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or



equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 59.1:

The Compliance Certification activity will be performed for the Facility.

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6625(h), Subpart ZZZZ

Item 60.1:

The Compliance Certification activity will be performed for the Facility.

Item 60.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For operation of a new, reconstructed, or existing stationary engine, the engine's time spent at idle must be minimized during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6625(i), Subpart ZZZZ

Item 61.1:

The Compliance Certification activity will be performed for the Facility.

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 40CFR 63.6655(e), Subpart ZZZZ

Item 63.1:
The Compliance Certification activity will be performed for the Facility.

Item 63.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

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(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to Subpart ZZZZ.

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ

Item 64.1:

The Compliance Certification activity will be performed for the Facility.

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

This subpart has not been delegated to New York State. Applicable monitoring, operational and recordkeeping requirements of this Subpart shall be reported directly to USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification

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Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 72.9, Subpart A

Item 65.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of Units 1 and 2 shall have an Acid Rain Permit and shall operate these units in accordance with the Acid Rain Permit. The Acid Rain Permit shall be attached to and part of the Title V permit. For Units 1 and 2, the facility must comply with the Acid Rain emission limitations or reduction requirements for SO₂ and NO_x and with the monitoring requirements of 40 CFR Part 75.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Compliance Certification

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 75.10(a), Subpart B

Item 66.1:

The Compliance Certification activity will be performed for the Facility.

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall measure opacity and all NO_x and CO₂ emissions for each affected unit as follows:

- (1) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of this part, a NO_x CEMS (consisting of a NO_x pollutant concentration monitor and an O₂ or CO₂ diluent



gas monitor) with the automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O₂ or CO₂ concentration (in percent O₂ or CO₂) and NOX emission rate (in lb/MMBtu) discharged to the atmosphere. The owner or operator shall account for total NOX emissions, both NO and NO₂, either by monitoring for both NO and NO₂ or by monitoring for NO only and adjusting the emissions data to account for NO₂;

(2) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of this part, a CO₂ CEMS and a flow monitoring system with the automated data acquisition and handling system for measuring and recording CO₂ concentration (in ppm or percent), volumetric gas flow (in scfh), and CO₂ mass emissions (in tons/hr) discharged to the atmosphere;

(3) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements in this part, a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 75.10(b), Subpart B

Item 67.1:
The Compliance Certification activity will be performed for the Facility.

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Primary Equipment Performance Requirements. The owner or operator shall ensure that each CEMS required by this part meets the equipment, installation, and performance specifications in Appendix A to this part; and is maintained according to the quality assurance and quality



opacity monitoring systems required by this part are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in §75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to §75.21 and appendix B of this part, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to §75.20. The owner or operator shall also ensure, subject to the exceptions above in this paragraph, that all continuous opacity monitoring systems required by this part are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal, State, or local regulation, or permit. The owner or operator shall ensure that the following requirements are met:

(1) The owner or operator shall ensure that each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all CO₂ concentration, O₂ concentration, CO₂ mass emissions (if applicable), NO_x concentration, and NO_x emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to §75.21 and appendix B of this part, backups of data from the data acquisition and handling system, or recertification, pursuant to §75.20. The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

(2) The owner or operator shall ensure that each continuous opacity monitoring system is capable of completing a minimum of one cycle of sampling and analyzing for each successive 10-sec period and one cycle of data recording for each successive 6-min period. The owner or operator shall reduce all opacity data to 6-min averages calculated in accordance with the provisions of part 51, appendix M of this chapter, except where the applicable State implementation plan or operating permit

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requires a different averaging period, in which case the State requirement shall satisfy this Acid Rain Program requirement.

(3) Failure of a CO₂ or O₂ pollutant concentration monitor, flow monitor, or NO_x CEMS, to acquire the minimum number of data points for calculation of an hourly average in paragraph (d)(1) of this section, shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. An hourly average NO_x emission rate in lb/MMBtu is valid only if the minimum number of data points are acquired by both the pollutant concentration monitor (NO_x) and the diluent monitor (CO₂ or O₂). If a valid hour of data is not obtained, the owner or operator shall estimate and record emission or flow data for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in subpart D of this part.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 70: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 75.13(a), Subpart B

Item 70.1:

The Compliance Certification activity will be performed for the Facility.

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall meet the general operating requirements in 40 CFR 75-B.10 for a CO₂ continuous emission monitoring system and flow monitoring system for each affected unit. The owner or operator shall also comply with the applicable provisions specified in 40 CFR 75-B.11 (a) through (e) or 40 CFR B-16, except the phrase "SO₂ continuous emission monitoring system" is replaced with "CO₂ continuous emission monitoring system," the term "maximum potential concentration for SO₂" is replaced with "maximum CO₂ concentration," and the phrase "SO₂ mass

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emissions" is replaced with "CO2 mass emissions."

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 75.20, Subpart C

Item 71.1:

The Compliance Certification activity will be performed for the Facility.

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Whenever the owner or operator makes a replacement, modification, or change in the certified continuous emission monitoring system or continuous opacity monitoring system (which includes the automated data acquisition and 230 handling system, and, where applicable, the CO2 continuous emission monitoring system), that significantly affects the ability of the system to measure or record the volumetric gas flow, NOx emission rate, CO2 concentration, or opacity, or to meet the requirements of appendix B of this 40 CFR 75, the owner or operator shall recertify the continuous emission monitoring system, continuous opacity monitoring system, or component thereof according to the procedures in 40 CFR 75. Examples of changes which require recertification include: replacement of the analytical method, including the analyzer; change in location or orientation of the sampling probe or site; rebuilding of the analyzer or all monitoring system equipment; and replacement of an existing continuous emission monitoring system or continuous opacity monitoring system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 72: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 75.64(a), Subpart G

Item 72.1:

The Compliance Certification activity will be performed for the Facility.

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Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The designated representative for an affected unit shall electronically report the data and information indicated below to the United States Environmental Protection Agency (US EPA) quarterly. Each report must be submitted within 30 days following the end of each calendar quarter and shall include:

- (1) The information and hourly data required in 40 CFR 75.50 through 75.52 (or 75.54 through 75.56), excluding descriptions of adjustments, corrective action, and maintenance; information which is incompatible with electronic reporting (e.g., field data sheets, lab analyses, quality control plan); opacity data listed in 40 CFR 75.50(f) or 75.54(f); for units with SO₂ or NO_x add-on emission controls that do not elect to use the approved site-specific parametric monitoring procedures for calculation of substitute data, the information in 40 CFR 75.55(b)(3); and the information recorded under 40 CFR 75.59 for the period beginning April 1, 2000.
- (2) Tons (rounded to the nearest tenth) of SO₂ emitted during the quarter and cumulative SO₂ emissions for the calendar year.
- (3) Average NO_x emission rate (pounds per million BTU, rounded to the nearest hundredth) during the quarter and cumulative NO_x emission rate for the calendar year.
- (4) Tons of CO₂ emitted during the quarter and cumulative CO₂ emissions for the calendar year.
- (5) Total heat input (million BTU) for the quarter and cumulative heat input for the calendar quarter.

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 1/30/2017.

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

Condition 73: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA



Item 73.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 73.2:

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 74: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 74.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 74.2:

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 NOx Ozone Season source (facility) and each TR NOx 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 NOx Ozone Season allowances and to determine compliance with the TR NOx 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 NOx Ozone Season facility and each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 75.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 75.2:

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

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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 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 76: Emission Point Definition By Emission Unit
Effective between the dates of 12/05/2016 and 12/04/2021**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 76.1:

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

Emission Unit: U-R0001

Emission Point: 00001

Height (ft.): 260

Diameter (in.): 276

NYTMN (km.): 4602.75

NYTME (km.): 585.473

Building: ROSE1

Item 76.2:

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

Emission Unit: U-R0002

Emission Point: 00002

Height (ft.): 260

Diameter (in.): 276

NYTMN (km.): 4602.734

NYTME (km.): 585.42

Building: ROSE2

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Item 76.3:

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

Emission Unit: U-R000B

Emission Point: 0000B

Height (ft.): 28

Diameter (in.): 24

NYTMN (km.): 4602.7

NYTME (km.): 585.513

Building: ROSE_AUX

Condition 77: Process Definition By Emission Unit

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 77.1:

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

Emission Unit: U-R0001

Process: R1G

Source Classification Code: 1-01-006-01

Process Description:

The combustion of natural gas in Unit 1. The heat input of the boiler is rated at 5985 MMBtu/hr for natural gas firing. Particulate emissions are controlled by a mechanical dust collector. Emissions of NOx are reduced through the use of "burners out of service" (BOOS) controls and windbox flue gas recirculation. No. 2 fuel oil is used for ignition during the warm-up process only.

Emission Source/Control: SR001 - Combustion

Emission Source/Control: CR001 - Control

Control Type: DYNAMIC SEPARATOR (DRY)

Item 77.2:

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

Emission Unit: U-R0001

Process: R1O

Source Classification Code: 1-01-004-01

Process Description:

The combustion of No. 6 fuel oil in Unit 1. The heat input of the boiler is rated at 7927 MMBtu/hr for No. 6 oil firing. Particulate emissions are controlled by a mechanical dust collector. Emissions of NOx are reduced through a combination of fuel oil steam atomization, "burners out of service" (BOOS) controls, and windbox flue gas recirculation.

Emission Source/Control: SR001 - Combustion

Emission Source/Control: CR001 - Control

Control Type: DYNAMIC SEPARATOR (DRY)



Item 77.3:

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

Emission Unit: U-R0002
Process: R2G Source Classification Code: 1-01-006-01
Process Description:

The combustion of natural gas in Unit 2. The heat input of the boiler is rated at 6597 MMBtu/hr for natural gas firing. Particulate emissions are controlled by a mechanical dust collector. Emissions of NO_x are reduced through the use of "burners out of service" (BOOS) controls and windbox flue gas recirculation. No. 2 fuel oil is used for ignition during warm-up process only.

Emission Source/Control: SR002 - Combustion

Emission Source/Control: CR002 - Control
Control Type: DYNAMIC SEPARATOR (DRY)

Item 77.4:

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

Emission Unit: U-R0002
Process: R2O Source Classification Code: 1-01-004-01
Process Description:

The combustion of No. 6 fuel oil in Unit 2. The heat input of the boiler is rated at 7691 MMBtu/hr for No. 6 oil firing. Particulate emissions are controlled by a mechanical dust collector. Emissions of NO_x are reduced through a combination of fuel oil steam atomization, "burners out of service" (BOOS) controls, and windbox flue gas recirculation.

Emission Source/Control: SR002 - Combustion

Emission Source/Control: CR002 - Control
Control Type: DYNAMIC SEPARATOR (DRY)

Item 77.5:

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

Emission Unit: U-R000B
Process: RBG Source Classification Code: 1-02-006-02
Process Description:

The combustion of natural gas in the auxiliary boiler.

Emission Source/Control: SR00B - Combustion
Design Capacity: 32.656 million BTUs per hour

Item 77.6:

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

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Emission Unit: U-R000W

Process: RWW

Source Classification Code: 5-01-007-01

Process Description:

Sludge from water treatment settling basins is dried at ambient temperature and stored. This material is loaded into trucks and hauled off-site for beneficial reuse.

Emission Source/Control: SR00W - Process

Condition 78: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R0001

Emission Point: 00001

Item 78.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2017.

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

Condition 79: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R0002

Emission Point: 00002

Item 79.2:

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Permit ID: 3-3346-00075/00008

Facility DEC ID: 3334600075



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2017.

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

Condition 80: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1) (ii)

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Regulated Contaminant(s):

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emissions from the facility's natural gas-fired auxiliary boiler are limited to 0.05 lb/MMBtu. Compliance with this emission limit must be determined with a one hour average and will be verified by a stack test performed once during the term of the permit.

The facility must conduct the emission test as follows:

(a) submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department;



and

(b) follow the procedures set forth in Part 202 of this Title and use method 7, 7E, or 19 from 40 CFR part 60, appendix A for determining compliance with the NO_x limit;

(c) submit a compliance test report containing the results of the emission test to the Department for approval no later than 60 days after completion of the emission test.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.05 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 81: Date of construction notification - If a COM is not used.
Effective between the dates of 12/05/2016 and 12/04/2021**

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

Item 81.1:

This Condition applies to Emission Unit: U-R000B

Item 81.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;

3) a notification of the actual date of initial start up, post marked within 15 days after such date;

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

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;

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6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 82: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 60.48c(a), NSPS Subpart Dc

Item 82.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 82.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 83: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 83.2:

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applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7540(a) following the initial compliance date specified in 40 CFR 63.7495(a). Thereafter, the owner or operator is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7540(a).

Reporting requirements for this subpart are outlined under 40 CFR 63.7550.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 88: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7515(d), Subpart DDDDD

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following section of regulation, 40 CFR 63.7515(d), applies to Roseton's auxiliary boiler, SR00B:

(d) If the facility is required to meet an applicable tune-up work practice standard, the facility must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

As stated above, the auxiliary boiler is subject to the annual tune-up requirements.

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Reporting requirements for this subpart are outlined under 40 CFR 63.7550.

Monitoring Frequency: ANNUALLY
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 89: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 89.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an industrial, commercial, and institutional boiler or process heater must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to subpart DDDDD, the work practice standards in Table 3 to subpart DDDDD, and the operating limits in Table 4 to subpart DDDDD that applies to you according to the methods specified in Table 8 to subpart DDDDD and 40 CFR 63.7540(a)(1) through (19).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 90.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 90.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

Roseton's auxiliary boiler, SR00B, is subject to 40 CFR 63.7540(a)(10)(i-vi), as described below:

(a) The facility must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to the facility according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

(10) If the facility's boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, the facility must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. The facility must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (The facility may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (The facility may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton's auxiliary boiler, SR00B, is subject to the following notification requirements of 40 CFR 63.7545(a):

(a) The facility must submit to the Administrator all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to the facility by the dates specified.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 92: New source notification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7545(c), Subpart DDDDD

Item 92.1:

This Condition applies to Emission Unit: U-R000B

Item 92.2:

As specified in 40 CFR 63.9(b)(4) and (b)(5), owners and operators that startup a new or reconstructed affected source on or after January 31, 2013 must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

Condition 93: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7545(e), Subpart DDDDD

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

According to 40 CFR 63.10000(b), at all times the facility must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the EPA Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Reporting requirements for this subpart are outlined under 40 CFR 63.10031.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 94: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton's auxiliary boiler, SR00B, is subject to the following reporting requirements of 40 CFR 63.7550(b)(5):

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), the facility must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, the facility may submit only an annual, biennial, or



5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), the facility may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

Monitoring Frequency: ANNUALLY

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 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7550(c), Subpart DDDDD

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Roseton's auxiliary boiler, SR00B, is subject to the following reporting requirements of 40 CFR 63.7550(c)(1), (c)(5)(i-iii, xiv, xvii):

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(5)(i) Company and Facility name and address.



(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

Monitoring Frequency: ANNUALLY

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 96: Compliance Certification

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7555(a), Subpart DDDDD

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records according to paragraphs (1) and (2).

(1) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other

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compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 97: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7560, Subpart DDDDD

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000B

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 98: General Provisions
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

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Condition 99: Compliance Certification
Effective between the dates of 12/05/2016 and 12/04/2021



Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-R000W

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from the facility's sludge storage unit, U-R000W, are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon table 5 and table 6 of subdivisions 212-2.5(a) and (b) of this Subpart.

The Department reserves the right to require performance tests to verify compliance with this limit. Testing notifications and procedures must be conducted according to the requirements in 6 NYCRR Part 202-1.

Upper Permit Limit: 0.05 grains per cubic foot
Reference Test Method: 40 CFR Part 60 Appendix A-3 Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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 100: Contaminant List

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:ECL 19-0301

Item 100.1:

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

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

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

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

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

Condition 101: Malfunctions and start-up/shutdown activities

Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 101.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the



emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

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

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

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

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

Condition 102: Visible Emissions Limited
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:6 NYCRR 211.2

Item 102.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 103: Compliance Demonstration
Effective between the dates of 12/05/2016 and 12/04/2021

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

Item 103.1:



The Compliance Demonstration activity will be performed for the Facility.

Item 103.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following pertains to all continuous opacity monitoring systems at the facility:

1. Maintenance

Corrective maintenance activities shall be performed as needed. All corrective maintenance activities shall be documented on Corrective Action Sheets.

A preventative maintenance program shall be implemented and shall include the following activities:

Daily: Each opacity monitor automatically performs a zero and span calibration check every 24 hours according to 40 CFR 60, PS1 specifications. Daily zero and span calibration data are reviewed. The maintenance technicians correct any problems identified at this time. If the problem cannot be corrected, the CEM maintenance consultant is contacted.

Weekly: Maintenance technicians review opacity calibration trending and six-minute opacity data trending. If a problem is suspected, the maintenance technicians take corrective action and if the problem is not, the CEM consultant is contacted.

Monthly: The CEM maintenance consultant cleans the lenses at each unit and performs any required maintenance.

Quarterly: The CEM maintenance consultant performs opacity audits according to 40 CFR 60, PS1. During the audit, the monitor alignment is checked and adjusted, if required, and the lenses are cleaned. Opacity reports are generated from the CEM systems and submitted to NYSDEC Region 3 and Central Office.

Annually: The CEM maintenance consultant performs an opacity monitor response time test in accordance with 40 CFR 60, PS1.

2. Quality Assurance

The facility shall implement a quality assurance program



consisting of quarterly data reviews and bi-annual program audits. Quarterly data reviews shall be resumed during which the opacity data collected during the quarter shall be examined to assure that exceedance events are properly documented with an Opacity Incident Report (OIR) and required notifications have been made. Program audits consisting of a thorough review of the opacity monitoring program shall be conducted by June 30 and December 31 of each year. The audits shall be verified by both daily zero and span checks and annual calibration error assessments. They shall also review the documentation to assure that all records are complete, and proper documentation is maintained of all OIRs, and monitor maintenance.

These records must be maintained on-site and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 104: Compliance Demonstration
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 104.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 104.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.



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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 105: Compliance Demonstration
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:6 NYCRR Subpart 242-4

Item 105.1:

The Compliance Demonstration activity will be performed for the Facility.



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

Item 105.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

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

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

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

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

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

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

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

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual



operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 106: Compliance Demonstration
Effective between the dates of 12/05/2016 and 12/04/2021

Applicable State Requirement:6 NYCRR Subpart 242-8

Item 106.1:

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

Emission Unit: U-R0001

Emission Unit: U-R0002

Regulated Contaminant(s):



CAS No: 000124-38-9 CARBON DIOXIDE

Item 106.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting

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

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

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

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

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

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

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

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

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

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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