



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-3356-00136/00001
Effective Date: 08/01/2013 Expiration Date: 07/31/2018

Permit Issued To:COMPETITIVE POWER VENTURES INC
50 BRAINTREE HILL OFFICE PARK
SUITE 300
BRAINTREE, MA 02184

Contact: STEVE REMILLARD
CPV VALLEY LLC
35 BRAINTREE HILL OFFICE PARK STE 400
BRAINTREE, MA 02184
(781) 817-8970

Facility: CPV VALLEY ENERGY CENTER
US RTE 6 , RTE 17 AND INTERSTATE 84
MIDDLETOWN, NY

Description:
pre-construction permit

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: CHRISTOPHER M HOGAN
625 BROADWAY
ALBANY, NY 12233

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

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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.

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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 expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

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



submitted prior to actual transfer of ownership.

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

Item 4.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions,



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.

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- 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.

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- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Condition 5: Submission of application for permit modification or renewal-REGION 3
HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator

New York State Department of Environmental Conservation
Facility DEC ID: 3335600136



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: 3-3356-00136/00001

Facility DEC ID: 3335600136



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To:COMPETITIVE POWER VENTURES INC
50 BRAINTREE HILL OFFICE PARK
SUITE 300
BRAINTREE, MA 02184

Facility: CPV VALLEY ENERGY CENTER
US RTE 6 , RTE 17 AND INTERSTATE 84
MIDDLETOWN, NY

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

Permit Effective Date: 08/01/2013

Permit Expiration Date: 07/31/2018



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.7: Maintenance of Equipment
- 2 6 NYCRR 202-1.1: Required Emissions Tests
- 3 6 NYCRR 200.7: Compliance Demonstration
- 4 6 NYCRR 200.7: Compliance Demonstration
- 5 6 NYCRR 201-1.4 (a): Compliance Demonstration
- 6 6 NYCRR 201-6.3 (a) (2): Title V Permit Requirement
- 7 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 9 6 NYCRR 211.1: Air pollution prohibited
- 10 6 NYCRR 231-5.3: Facility PTE
- 11 6 NYCRR 231-5.4: Compliance Demonstration
- 12 6 NYCRR 231-5.4: Compliance Demonstration
- 13 6 NYCRR 231-5.4: Compliance Demonstration
- 14 6 NYCRR 231-5.4: Compliance Demonstration
- 15 6 NYCRR 231-5.5: Emission offset
- 16 6 NYCRR 231-5.5: Emission offsets
- 17 6 NYCRR 231-5.5: offsets.
- 18 6 NYCRR 231-7.5: Facility potential to emit
- 19 6 NYCRR 231-7.6: Compliance Demonstration
- 20 6 NYCRR 231-7.6: Compliance Demonstration
- 21 6 NYCRR 231-7.6: Compliance Demonstration
- 22 6 NYCRR 231-7.6: Compliance Demonstration
- 23 6 NYCRR 231-7.6: Compliance Demonstration
- 24 6 NYCRR 231-7.6: Compliance Demonstration
- 25 6 NYCRR 231-7.6: Compliance Demonstration
- 26 6 NYCRR 231-7.6: Compliance Demonstration
- 27 6 NYCRR 231-7.6: Compliance Demonstration
- 28 6 NYCRR 231-7.6: Compliance Demonstration
- 29 6 NYCRR 231-7.6: Compliance Demonstration
- 30 6 NYCRR 231-7.6: Compliance Demonstration
- 31 6 NYCRR 243-1.6 (a): Permit Requirements
- 32 6 NYCRR 243-1.6 (b): Monitoring requirements
- 33 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 34 6 NYCRR 243-1.6 (d): Excess emission requirements
- 35 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 36 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR
designated representative
- 37 6 NYCRR 243-2.4: Certificate of representation
- 38 6 NYCRR 243-8.1: General requirements
- 39 6 NYCRR 243-8.1: Prohibitions
- 40 6 NYCRR 243-8.5 (d): Quarterly reports
- 41 6 NYCRR 243-8.5 (e): Compliance certification
- 42 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General
Conditions
- 43 6 NYCRR Subpart 244-2: Designated CAIR Representative
- 44 6 NYCRR Subpart 244-8: Compliance Demonstration



- 45 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
 - 46 6 NYCRR Subpart 245-2: Designated CAIR Representative
 - 47 6 NYCRR Subpart 245-8: Compliance Demonstration
 - 48 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 49 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -
If a COM is not used.
 - 50 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
 - 51 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
 - 52 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
 - 53 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
 - 54 40CFR 60.8(d), NSPS Subpart A: Prior notice.
 - 55 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
 - 56 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
 - 57 40CFR 60, NSPS Subpart III: Applicability
 - 58 40CFR 60.4335, NSPS Subpart KKKK: Compliance Demonstration
 - 59 40CFR 60.4375(a), NSPS Subpart KKKK: Compliance Demonstration
 - 60 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations
and Permitting
- Emission Unit Level**
- 61 6 NYCRR 227-1.3 (a): Compliance Demonstration
 - 62 6 NYCRR 227-1.3 (a): Compliance Demonstration

EU=U-00003

- 63 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 64 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration

EU=U-00003,Proc=P3B

- 65 6 NYCRR 231-5.4: Compliance Demonstration
- 66 6 NYCRR 231-5.4: Compliance Demonstration
- 67 6 NYCRR 231-5.4: Compliance Demonstration
- 68 6 NYCRR 231-7.6: Compliance Demonstration
- 69 6 NYCRR 231-7.6: Compliance Demonstration
- 70 6 NYCRR 231-7.6: Compliance Demonstration
- 71 6 NYCRR 231-7.6: Compliance Demonstration

EU=U-00003,Proc=P3B,ES=AUX01

- 72 40CFR 60.48c(g)(2), NSPS Subpart Dc: Alternative recordkeeping

EU=U-00004,Proc=P04

- 73 6 NYCRR 231-5.4: Compliance Demonstration
- 74 6 NYCRR 231-5.4: Compliance Demonstration
- 75 6 NYCRR 231-7.6: Compliance Demonstration
- 76 6 NYCRR 231-7.6: Compliance Demonstration
- 77 6 NYCRR 231-7.6: Compliance Demonstration
- 78 6 NYCRR 231-7.6: Compliance Demonstration

EU=U-00005,Proc=P05

- 79 6 NYCRR 231-5.4: Compliance Demonstration
- 80 6 NYCRR 231-5.4: Compliance Demonstration
- 81 6 NYCRR 231-7.6: Compliance Demonstration
- 82 6 NYCRR 231-7.6: Compliance Demonstration
- 83 6 NYCRR 231-7.6: Compliance Demonstration



84 6 NYCRR 231-7.6: Compliance Demonstration

EU=U-00006,Proc=P06

- 85 6 NYCRR 231-5.4: Compliance Demonstration
- 86 6 NYCRR 231-5.4: Compliance Demonstration
- 87 6 NYCRR 231-7.6: Compliance Demonstration
- 88 6 NYCRR 231-7.6: Compliance Demonstration
- 89 6 NYCRR 231-7.6: Compliance Demonstration
- 90 6 NYCRR 231-7.6: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 91 ECL 19-0301: Contaminant List
- 92 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 93 6 NYCRR Subpart 201-5: Emission Unit Definition
- 94 6 NYCRR 211.2: Visible Emissions Limited
- 95 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 96 6 NYCRR 242-1.5: Compliance Demonstration
- 97 6 NYCRR 242-1.5: Compliance Demonstration

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- 98 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 99 6 NYCRR Subpart 201-5: Process Definition By Emission Unit
- 100 6 NYCRR 251.3 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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.

Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/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;
- (3) During the period of the emergency the facility owner and/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 and/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 and/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 F: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

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.

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item J: Required Emission Tests - 6 NYCRR 202-1.1



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item K: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: 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 M: 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Maintenance of Equipment



Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 200.7

Item 1.1:

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 2: Required Emissions Tests
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 2.1:

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

Condition 3: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility will maintain records to verify concentration of ammonia stored on-site is less than 19%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: AMMONIA

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 19 percent

Reference Test Method: EPA Approved

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 4: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 200.7

Item 4.1:

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

Emission Unit: U-00001 Emission Point: EP001

Emission Unit: U-00002 Emission Point: EP002

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

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain and operate continuous emissions monitors for ammonia. The 5.0 ppmvd corrected to 15% Oxygen limit applies during all turbine loads, all fuels being fired and all duct burner operations.

Manufacturer Name/Model Number: Ammonia Analyzer

Parameter Monitored: AMMONIA

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

Reference Test Method: 40 CFR 60 Appendices B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

Condition 5: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 201-1.4 (a)

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall, within one year following the commencement of operation, submit a Title V permit application to the Department (as per the requirements of paragraph 201-6.3(a)(3)). This application must include start-up, shutdown, and fuel switching data to establish enforceable combustion turbine start-up, shutdown, and fuel switching emission rates for NO_x, CO, and NH₃, and confirm that such established rates would not result in a violation of applicable NAAQS.

In the event that a minimum of 15 start-ups and 15 shutdowns, while firing distillate oil, does not occur within the one year period defined above, the owner or operator will be required to submit start-up and shutdown data, with an application for permit modification, once the 15 start-ups and shutdowns while firing distillate oil occur.

Also, if a minimum of 15 fuel switches does not occur within the one year period defined above, the owner or operator will be required to submit fuel switching data with an application for permit modification once the 15 fuel switches occur.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 6: Title V Permit Requirement
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 201-6.3 (a) (2)

Item 6.1:

A Title V permit application must be submitted to the Department within one year of commencement of operation of this facility.

Condition 7: Facility Permissible Emissions
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 7.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY075-02-5
Name: PM 2.5

PTE: 190,000 pounds per year



Condition 8: Capping Monitoring Condition
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 8.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 231-2.2

Item 8.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 8.3:

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.

Item 8.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 8.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 8.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

Item 8.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Monthly facility-wide emissions of PM-2.5 will be



calculated as the sum of monthly PM-2.5 emissions from individual emission units or source groups. Emissions will be calculated based on heat input (or, equivalently, from fuel use) and emission factors as described below. Annual facility-wide emissions will then be determined at the end of each month on a rolling 12-month basis in order to demonstrate compliance with the 95 ton per year cap.

The source groups included in the emissions cap along with their associated source indices and PM-2.5 emission factors, as used in subsequent equations, are listed in the following. For each source group, the parameter that will be monitored and the monitoring frequency. Continuous monitoring of heat input to the combustion turbines, auxiliary boiler and gas heater(s) will be provided by a digital data acquisition system (DAS).

Unit	Op Load	Fuel	Grp	Emission Factor
CT only	> 80%	Gas	1	0.0056
CT only	< 80%	Gas	2	0.0073
CT + DB	> 80%	Gas	3	0.0064
CT only	> 85%	Oil	4	0.0247
CT only	< 85%	Oil	5	0.0368
Aux Boiler	All	Gas	6	0.0063
Gas Heater	All	Gas	7	0.0076
EDG	All	Oil	8	0.0091
EFP	All	Oil	9	0.0429

Where CT = combustion turbines, DB = duct burners, Aux Boiler = auxiliary boiler, EDG = emergency diesel generator and EFP = emergency fire pump

For the combustion turbines, the proposed emission factors represent the maximum PM-2.5 emission factor over the specified normal operating loads for the associated fuel and category. In lieu of using the maximum PM-2.5 emission factors, the owner or operator may elect to use representative PM-2.5 stack test data to determine compliance with the annual PM-2.5 emissions cap.

For each source group (i), the PM-2.5 emissions in tons (Q_{ij}) for month j will be calculated as follows:
 Q_{ij} = EFi x Hij / 2000, where:

- EFi = PM-2.5 emission factor or representative PM-2.5 stack test data (lb/mmBtu) for source group i
- Hij = monthly heat input (mmBtu) for source group i in



month j

In cases where fuel use (gallons of oil or standard cubic feet of gas) for a source group is monitored directly rather than heat input, the equivalent heat input will be determined by multiplying the monthly fuel usage for the source group by the corresponding fuel heating value (mmBtu/gallon or mmBtu/scf), using the higher heating value (HHV) basis for the fuel.

The total facility PM-2.5 emissions in month j (Q_j) will be calculated by summing over all source groups ($i = 1$ to 9) as follows: $Q_j = \sum E_{Fi} \times H_{ij} / 2000 = \sum Q_{ij}$.

The facility-wide PM-2.5 emissions over the past 12 months (Q_{ann}) ending in month j will be determined by summing the facility-wide PM-2.5 emissions for the most recent 12 months ($k = 0$ to 11) as follows:

$$Q_{ann} = \sum Q_{j-k}$$

After each month, compliance will be demonstrated with the proposed 95 ton/year PM-2.5 emission limit by showing that $Q_{ann} < 95$.

The facility shall conduct periodic testing to demonstrate that emissions from the combustion turbines comply with the lb/mmBtu emission factors for PM-2.5. The combustion turbines will be tested once per year for the first two years of operation with the first test to be conducted within 180 days of startup.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: HEAT INPUT
Upper Permit Limit: 95 tons per year
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-month total, rolled monthly
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 9: Air pollution prohibited
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 211.1

Item 9.1:

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

Condition 10: Facility PTE
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.3

Item 10.1:
CPV Valley Energy Center
Facility-Wide Potential to Emit

VOC 65 tons/yr
NOx 186.8 tons/yr

Condition 11: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 11.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: EP001
Process: P1A

Emission Unit: U-00001 Emission Point: EP001
Process: P2A

Emission Unit: U-00002 Emission Point: EP002
Process: P01

Emission Unit: U-00002 Emission Point: EP002
Process: P02

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

Item 11.2:
Compliance Demonstration shall include the following monitoring:

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

LAER is 2.0 ppmvd corrected to 15% Oxygen. Will be achieved through use of Dry Low NOx combustion technology

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Facility DEC ID: 3335600136



and SCR.

The facility shall install, calibrate, maintain, and operate a continuous emission monitor.

The limit applies at all loads except during start up and shutdown.

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 Appendix and Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 12: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 12.1:

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

Emission Unit: U-00001 Emission Point: EP001
Process: P2A
Emission Unit: U-00002 Emission Point: EP002
Process: P02
Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
LAER is 1.8 ppmvd corrected to 15% O2. Will be achieved using good combustion controls and an oxidation catalyst. Emission testing to be performed within 180 days of startup.

Manufacturer Name/Model Number: CEM
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 1.8 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: Method 25A

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Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 13: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: EP001
Process: P3A

Emission Unit: U-00002 Emission Point: EP002
Process: P03

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

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

LAER is 6.0 ppmvd corrected to 15% Oxygen. Will be achieved using water injection and SCR.

The facility shall install, calibrate, maintain, and operate a continuous emission monitor.

The limit applies at all loads except during start up and shutdown.

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 6.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60 Appendix and Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

Condition 14: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

New York State Department of Environmental Conservation

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Facility DEC ID: 3335600136



Item 14.1:

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

Emission Unit: U-00001 Emission Point: EP001
Process: P1A

Emission Unit: U-00001 Emission Point: EP001
Process: P3A

Emission Unit: U-00002 Emission Point: EP002
Process: P01

Emission Unit: U-00002 Emission Point: EP002
Process: P03

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

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.7 ppmvd corrected to 15% O₂. Will be achieved using good combustion controls and an oxidation catalyst. Emission testing to be performed within 180 days of startup.

Manufacturer Name/Model Number: CEM

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.7 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Method 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 15: Emission offset
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.5

Item 15.1: The potential to emit Oxides of Nitrogen (NO_x) from the facility has been limited to 187 tons per year. NO_x emissions must be offset at a ratio of 1.15 to 1. A total of 216 tons of offsets will be required. The facility will identify the sources of offsets at a later time but prior to construction. There will be a separate noticing at that time.

Condition 16: Emission offsets
Effective between the dates of 08/01/2013 and 07/31/2018



Applicable Federal Requirement:6 NYCRR 231-5.5

Item 16.1: The potential to emit Volatile Organic Compounds (VOC) from the facility has been limited to 65 tons per year. VOC emissions must be offset at a ratio of 1.15 to 1. A total of 75 tons of offsets will be required. The facility will identify the sources of offsets at a later time but prior to construction. There will be a separate noticing at that time.

Condition 17: offsets.

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.5

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Condition 18: Facility potential to emit

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.5

Item 18.1:

CPV Valley Energy Center

Facility-Wide Potential to Emit

CO 344 tons /yr

SO2 42 Tons/yr

PM-2.5 95 tons/yr

H2SO4 13 tons/yr

CO2 2,164,438 tons/yr

Condition 19: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 19.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combined cycle units shall have a heat rate of 7605 Btu/kW-hr



(HHV) or less at ISO conditions without duct burner firing to achieve a design thermal efficiency of 57.4% (LHV).

Within 90 days of start-up of the facility and on an annual basis thereafter, the owner or operator shall conduct a Department-approved heat rate performance test on a combined cycle unit while it is operating at maximum load to determine heat rate.

The owner or operator shall conduct this heat rate performance test according to the requirements of the American Society of Mechanical Engineers Performance Test Code on Overall Plant Performance, ASME PTC 46-1996.

Parameter Monitored: HEAT RATE
Upper Permit Limit: 7605 BTU per kilowatt-hour
Reference Test Method: ASME PTC 46-1996
Monitoring Frequency: ANNUALLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 20: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 20.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-00004

Emission Unit: U-00005

Emission Unit: U-00006



Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operators of the facility shall calculate the annual emissions (based on a monthly rolling average) of Carbon Dioxide equivalent (CO₂e) emitted from the facility.

The Emissions factors will be based on either performance tests (as required by the permit) or developed emission factors from authorized sources (i.e. - AP-42). Fuel usage shall be monitored by fuel flow meters. The information will be kept on-site and available for review for a minimum of five years.

The facility will maintain records on-site for a minimum of five years.

Reference Test Method: As Described in condition

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 21: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 21.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The facility shall install, calibrate, maintain, and operate a continuous emission monitor for the total annual Carbon Dioxide equivalent (CO₂e) emissions from the two combined-cycle units.
The facility shall maintain records on-site for a minimum of five years.

Reference Test Method: 3A
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 22: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 22.1:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 22.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
BACT FUEL SULFUR LIMIT OF 0.0015% BY WEIGHT.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Reference Test Method: ASTM D-2880-71
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 23: Compliance Demonstration



Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 23.1:

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

Emission Unit: U-00001
Process: P1A

Emission Unit: U-00001
Process: P2A

Emission Unit: U-00002
Process: P01

Emission Unit: U-00002
Process: P02

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

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0022 lb/mmBtu. Will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0022 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 24: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 24.1:

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

Emission Unit: U-00001
Process: P1A

Emission Unit: U-00001

New York State Department of Environmental Conservation

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Process: P2A

Emission Unit: U-00002

Process: P01

Emission Unit: U-00002

Process: P02

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0007 lb/mmBtu. Will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0007 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 25: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 25.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: P3A

Emission Unit: U-00002

Process: P03

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0005 lb/mmBtu. Will be achieved through use of low sulfur fuels. Emission testing to be performed within

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Facility DEC ID: 3335600136



180 days of startup.

Upper Permit Limit: 0.0005 pounds per million Btus
Reference Test Method: EPA Approved
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 26: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 26.1:

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

Emission Unit: U-00001
Process: P3A

Emission Unit: U-00002
Process: P03

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

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0015 lb/mmBtu. Will be achieved through use of
low sulfur fuels. Emission testing to be performed within
180 days of startup.

Upper Permit Limit: 0.0015 pounds per million Btus
Reference Test Method: EPA Approved
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 27: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 27.1:

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

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Emission Unit: U-00001
Process: P3A

Emission Unit: U-00002
Process: P03

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

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0368 lb/mmBtu. Will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0368 pounds per million Btus

Reference Test Method: Methods 201/201A and 202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 28: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 28.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P2A

Emission Unit: U-00002
Process: P02

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

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

BACT is 3.4 ppmvd corrected to 15% Oxygen. Will be achieved through good combustion controls and an oxidation catalyst.

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The facility shall install, calibrate, maintain, and operate a continuous emission monitor.

The limit applies at all loads except during start up and shutdown.

Manufacturer Name/Model Number: CO analyzer
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 3.4 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: Method 10
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 29: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 29.1:

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

Emission Unit: U-00001
Process: P1A

Emission Unit: U-00001
Process: P2A

Emission Unit: U-00002
Process: P01

Emission Unit: U-00002
Process: P02

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

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0073 lb/mmBtu. Will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup.

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Upper Permit Limit: 0.0073 pounds per million Btus
Reference Test Method: Methods 201/201A and 202
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 30: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 30.1:

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

Emission Unit: U-00001
Process: P1A

Emission Unit: U-00001
Process: P3A

Emission Unit: U-00002
Process: P01

Emission Unit: U-00002
Process: P03

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

Item 30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

BACT is 2.0 ppmvd corrected to 15% Oxygen. Will be achieved through good combustion controls and an oxidation catalyst.

The facility shall install, calibrate, maintain, and operate a continuous emission monitor.

The limit applies at all loads except during start up and shutdown.

Manufacturer Name/Model Number: CO analyzer
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: Method 10

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 31: Permit Requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-1.6 (a)

Item 31.1:

The CAIR designated representative of each CAIR NO_x Ozone Season source shall:

- (i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
- (ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NO_x Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

Condition 32: Monitoring requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-1.6 (b)

Item 32.1:

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO_x Ozone Season source with the CAIR NO_x Ozone Season emissions limitation under subdivision (c) of this section.

Condition 33: NO_x Ozone Season Emission Requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-1.6 (c)

Item 33.1:

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO_x ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for



each control period thereafter.

A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NO_x Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

Condition 34: Excess emission requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-1.6 (d)

Item 34.1:

If a CAIR NO_x Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

(1) the owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and

(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 35: Recordkeeping and reporting requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-1.6 (e)

Item 35.1:

Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.



(i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

**Condition 36: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 08/01/2013 and 07/31/2018**

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 36.1:

Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the source in all matters pertaining to the CAIR NOx Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted,



signed, and certified by the CAIR designated representative for each CAIR NO_x Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

Condition 37: Certificate of representation
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-2.4

Item 37.1:

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

Condition 38: General requirements
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 38.1:

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NO_x Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NO_x Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NO_x Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NO_x Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NO_x Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NO_x mass emissions and individual unit heat input (including all systems required to monitor NO_x emission rate, NO_x concentration, stack gas moisture content, stack gas flow rate, CO₂ or O₂ concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under



paragraph (a)(1) of this section; and

(3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

Condition 39: Prohibitions
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 39.1:

No owner or operator of a CAIR NO_x Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NO_x Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NO_x emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO_x Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_x mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO_x Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

Condition 40: Quarterly reports
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 243-8.5 (d)

Item 40.1:

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NO_x Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO_x emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Subpart H of 40 CFR Part 75 (concerning monitoring of NO_x mass emissions) for such unit for the entire year and shall report the NO_x mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

(i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

(ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the quarter covering May 1, 2008 through June 30, 2008.

The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NO_x Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO_x mass emission data, heat input data, and other information required by this Subpart.

Condition 41: Compliance certification
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 243-8.5 (e)

Item 41.1:

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) 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:

(1) 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;

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

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NO_x emission rate and NO_x concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NO_x emissions.

Condition 42: CAIR NO_x Annual Trading Program General Conditions



Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR Subpart 244-1

Item 42.1:

1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, Clean Air Interstate Rule (CAIR) NOx allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NOx units at the source during that control period. A CAIR NOx allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36), 244-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR NOx allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NOx unit's monitor certification requirements under section 244-8.1(b)(1), (2), or (5) and for each control period thereafter. [244-1.6(c)(2)]

3) If a CAIR NOx source emits nitrogen oxides during any control period in excess of the CAIR NOx emissions limitation, the owners and operators of the CAIR NOx source shall surrender the CAIR NOx allowances required for deduction under 6NYCRR Part 244-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law. [(244-1.6(d)]

4) Unless otherwise provided, the owners and operators of the CAIR NOx source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [244-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 244-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 244-8, provided that to the extent that 6NYCRR Part 244-8 provides for a three year period for recordkeeping, the three year period shall apply.

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

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

Condition 43: Designated CAIR Representative
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 43.1:



1) Each Clean Air Interstate Rule (CAIR) NO_x source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NO_x Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NO_x source represented in all matters pertaining to the CAIR NO_x Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [244-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NO_x Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NO_x source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [244-2.1(e)]

Condition 44: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR Subpart 244-8

Item 44.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NO_x emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 244-2.1(e)(1).



(2) The CAIR designated representative shall submit quarterly reports of the the NO_x mass emissions data and heat input data for each CAIR NO_x unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 6NYCRR Part 244-8.1(b), unless that quarter is the third or fourth quarter of 2007, in which case reporting shall commence in the quarter covering January 1, 2008 through March 31, 2008.

(3) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

(4) For CAIR NO_x units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Ozone Season Trading Program, CAIR SO₂ Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO_x mass emission data, heat input data, and other information required by this Subpart.

(5) 'Compliance certification.' The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 244 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

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



(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [244-8.3(a)]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NOx mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b) . Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NOx monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

**Condition 45: CAIR SO2 Trading Program General Provisions
Effective between the dates of 08/01/2013 and 07/31/2018**

Applicable Federal Requirement:6 NYCRR Subpart 245-1

Item 45.1:

1) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each Clean Air Interstate Rule (CAIR) SO2 source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period (January 1



through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source. A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

[(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR SO allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO₂ unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]

3) If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, the owners and operators of the source shall surrender the CAIR SO₂ allowances required for deduction under 6NYCRR Part 245-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

[(245-1.6(d)]

4) Unless otherwise provided, the owners and operators of the CAIR SO₂ source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [245-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 245-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 245-8, provided that to the extent that 6NYCRR Part 245-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

Condition 46: Designated CAIR Representative
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR Subpart 245-2

Item 46.1:

1) Each CAIR SO₂ source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO₂ Trading Program. The CAIR designated representative of the CAIR SO₂ source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO₂ units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind

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each owner and operator of the CAIR SO₂ source represented and each CAIR SO₂ unit at the source in all matters pertaining to the CAIR SO₂ Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.
[245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO₂ Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO₂ source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
[245-2.1(e)]

Condition 47: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR Subpart 245-8

Item 47.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO₂ emissions:

1) The owners and operators, and to the extent applicable, the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO₂ unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 245-8 and in 40 CFR Part 75, Subparts F and G. For purposes of complying with such requirements, the definitions in section 245-1.2 and 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR SO₂ unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 245-1.2. The owner or operator of a unit that is



not a CAIR SO₂ unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR SO₂ unit. [245-8.1]

2) The owner or operator of each CAIR SO₂ unit shall:
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO₂ mass emissions and individual unit heat input (including all systems required to monitor SO₂ concentration, stack gas moisture content, stack gas flow rate, CO₂ or O₂ concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);

(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and

(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section.

3) The owner or operator shall meet the monitoring system certification and other requirements of section 245-8.1(a)(1) and (2) on or before the following dates. The owner or operator shall record, report, and quality-assure the data from the monitoring systems under section 245-8.1(a)(1) on and after the following dates.
[245-8.1(b)]

(i) For the CAIR SO₂ unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO₂ unit that commences commercial operation on or after July 1, 2008, by the later of the following dates: January 1, 2009; or 90 unit operating days or 180 calendar days, whichever occurs first, after the date on which the unit commences commercial operation.

4) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under section 245-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record SO₂ mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each



continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include: replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system under section 245-8.1(a)(1) is subject to the recertification requirements in 40 CFR 75.20(g)(6). [245-8.2(d)(2)]

5) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D of or appendix D to 40 CFR Part 75. [245-8.3(a)]

6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1). [245-8.5(a)]

7) The owner or operator of a CAIR SO₂ unit shall comply with requirements of 40 CFR 75.62 for monitoring plans. [245-8.5(b)]

8) The CAIR designated representative shall submit an application to the department within 45 days after completing all initial certification or recertification tests required under section 245-8.2, including the information required under 40 CFR 75.63. [245-8.5(c)]

9) The CAIR designated representative shall submit quarterly reports of the SO₂ mass emissions data and heat input data for each CAIR SO₂ unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with: [245-8.5(d)(1)]

- i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or
- ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through



March 31, 2009.

10) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.64. [245-8.5(d)(2)]

11) For CAIR SO₂ units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the SO₂ mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]

12) The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) 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: [245-8.5(e)]

- 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; and
- ii) for a unit with add-on SO₂ emission controls and for all hours where SO₂ data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO₂ emissions.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 48: EPA Region 2 address.
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 48.1:

All requests, reports, applications, submittals, and other communications to the Administrator

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pursuant to this part shall be submitted in duplicate to the following address:

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

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

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

**Condition 49: Date of construction notification - If a COM is not used.
Effective between the dates of 08/01/2013 and 07/31/2018**

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

Item 49.1:

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

**Condition 50: Recordkeeping requirements.
Effective between the dates of 08/01/2013 and 07/31/2018**

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

Item 50.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup,

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shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 51: Facility files for subject sources.
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 51.1:

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

Condition 52: Performance testing timeline.
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 52.1:

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

Condition 53: Performance test methods.
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 53.1:

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

Condition 54: Prior notice.
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 54.1:

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

Condition 55: Performance testing facilities.
Effective between the dates of 08/01/2013 and 07/31/2018

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

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Item 55.1:

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

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

Condition 56: Number of required tests.
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 56.1:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 57: Applicability
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 57.1:

This Condition applies to:

Emission Unit: U00004
Process: P04 Emission Source: EG001

Emission Unit: U00005
Process: P05 Emission Source: FP001

Item 57.2:

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart III.

Condition 58: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40CFR 60.4335, NSPS Subpart KKKK

Item 58.1:

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

Emission Unit: U-00001 Emission Point: EP001

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Emission Unit: U-00002

Emission Point: EP002

Regulated Contaminant(s):

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

Item 58.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to continuously monitoring the water or steam to fuel ratio, the facility shall install, certify, maintain, and operate a continuous emission monitoring system (CEMS) consisting of a NO_x monitor and a diluents gas (oxygen or carbon dioxide) monitor, to determine hourly NO_x emissions in parts per million (ppm).

Reference Test Method: EPA Approved

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 59: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40CFR 60.4375(a), NSPS Subpart

KKKK

Item 59.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Item 59.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content, reports of excess emissions and monitor downtime shall be submitted in accordance with 40 CFR 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 60: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40 CFR Part 72

Item 60.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

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

Condition 61: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 61.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-00004

Emission Unit: U-00005

Emission Unit: U-00006

Item 61.2:

Compliance Demonstration 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 operate the installation in such a way to 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 in reference test Method 9 in Appendix A of 40 CFR 60.



Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 62.1:

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

Emission Unit: U-00001	Emission Point: EP001
Process: P3A	Emission Source: CT001
Emission Unit: U-00002	Emission Point: EP002
Process: P03	Emission Source: CT002

Item 62.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.
The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard



continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: When firing distillate fuel oil

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 12 calendar month(s).

Condition 63: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc

Item 63.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 63.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. The facility shall perform a method 9 evaluation.

Parameter Monitored: OPACITY

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Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

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

Item 64.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 64.2:

Compliance Demonstration 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 65: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 65.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: P3B

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Regulated Contaminant(s):

CAS No: 0NY998-00-0

VOC

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 65.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Operation of the Auxiliary boiler is restricted to 2000 hours per year. Facility will maintain usage records and fuel consumption.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 2000 hours

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

Subsequent reports are due every 12 calendar month(s).

Condition 66: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 66.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Process: P3B

Regulated Contaminant(s):

CAS No: 0NY998-00-0

VOC

Item 66.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.0038 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0038 pounds per million Btus

Reference Test Method: Method 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Condition 67: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 67.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Process: P3B

Regulated Contaminant(s):

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

Item 67.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.0450 lb/mmBtu. Will be achieved using low NOx burners and flue gas re circulation. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.045 pounds per million Btus

Reference Test Method: Method 7E

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 68.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Process: P3B

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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

Item 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0063 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed within 180



days of startup.

Upper Permit Limit: 0.0063 pounds per million Btus
Reference Test Method: Method 201/201A and 202
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 69.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: P3B

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

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
BACT is 0.0022 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0022 pounds per million Btus
Reference Test Method: EPA approved methods
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 70.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: P3B

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

Item 70.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0002 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0002 pounds per million Btus

Reference Test Method: EPA approved methods

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 71.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Process: P3B

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 71.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0721 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed within 180 days of startup.

Upper Permit Limit: 0.0721 pounds per million Btus

Reference Test Method: Method 10

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 72: Alternative recordkeeping
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:40CFR 60.48c(g)(2), NSPS Subpart Dc

Item 72.1:

This Condition applies to Emission Unit: U-00003

Process: P3B

Emission Source:

AUX01

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Item 72.2: As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

Condition 73: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 73.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: P04

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

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.0331 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 0.0331 pounds per million Btus

Reference Test Method: Method 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 74: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 74.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: P04

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



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

Item 74.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 4.77 grams per brake horsepower-hour. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 4.77 grams per brake horsepower-hour

Reference Test Method: Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 75.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: P04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.03 g/hp-hr. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.03 grams per brake horsepower-hour

Reference Test Method: Method 201/201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018



Applicable Federal Requirement:6 NYCRR 231-7.6

Item 76.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: P04

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

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0014 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.0014 pounds per million Btus

Reference Test Method: EPA approved methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 77.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: P04

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

Item 77.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.00003 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.00003 pounds per million Btus

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Reference Test Method: EPA approved methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 78: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 78.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: P04

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 78.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.45 g/hp-hr. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.45 grams per brake horsepower-hour

Reference Test Method: Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 79.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

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

Item 79.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.857 pounds per million Btus. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 0.857 pounds per million Btus

Reference Test Method: Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 80: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 80.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.3612 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 0.3612 pounds per million Btus

Reference Test Method: Method 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 81.1:

The Compliance Demonstration activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.75 lbs/mmBtus.. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.75 pounds per million Btus

Reference Test Method: Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 82: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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

Item 82.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.043 lb/mmBtus.. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.043 pounds per million Btus

Reference Test Method: Method 201/201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Condition 83: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0014 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.0014 pounds per million Btus

Reference Test Method: EPA approved methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.00003 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the



request of the Department..

Upper Permit Limit: 0.00003 pounds per million Btus
Reference Test Method: EPA approved methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 85: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 85.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006
Process: P06

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

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.058 pounds per million Btus for each individual gas heater. Will be achieved using forced draft low NOx Burner. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 0.058 pounds per million Btus
Reference Test Method: Method 7E
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 86: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 86.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006
Process: P06

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



CAS No: 0NY998-00-0 VOC

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LAER is 0.011 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Upper Permit Limit: 0.011 pounds per million Btus

Reference Test Method: Method 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 87: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 87.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Process: P06

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 87.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0002 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.0002 pounds per million Btus

Reference Test Method: EPA approved methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 88: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Item 88.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Process: P06

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 88.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.084 lbs/mmBtus.. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.084 pounds per million Btus

Reference Test Method: Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 89: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 89.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Process: P06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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

Item 89.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0076 lb/mmBtus.. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.0076 pounds per million Btus

Reference Test Method: Method 201/201A and 202

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 90: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 90.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Process: P06

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 90.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BACT is 0.0022 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department..

Upper Permit Limit: 0.0022 pounds per million Btus

Reference Test Method: EPA approved methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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

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

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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 only enforceable.

Condition 91: Contaminant List
Effective between the dates of 08/01/2013 and 07/31/2018



Applicable State Requirement:ECL 19-0301

Item 91.1:

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

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

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

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

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

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

**Condition 92: Unavoidable noncompliance and violations
Effective between the dates of 08/01/2013 and 07/31/2018**

Applicable State Requirement:6 NYCRR 201-1.4

Item 92.1:

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

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a



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

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

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

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 93: Emission Unit Definition
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 93.1:

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

Emission Unit: U-00001

Emission Unit Description:

ONE F CLASS COMBUSTION TURBINE RATED AT
1998 MMBTU/HR AT 51 DEGREES F (2234
MMBTU/HR AT -5 DEGREES F) ON NATURAL GAS
AND 2145 MMBTU/HR AT -5 DEGREES F ON FUEL



OIL (,0.0015% SULFUR). THE TURBINE IS EQUIPPED WITH DRY LOW-NOX COMBUSTORS, STEAM INJECTION, SCR AND OXIDATION CATALYST EMISSION CONTROLS. THIS EMISSION UNIT ALSO CONTAINS A NATURAL GAS-FIRED DUCT BURNER RATED AT A MAXIMUM CAPACITY OF 500 MMBTU/HR.

Building(s): ACC01
GEN01
HRSG01

Item 93.2:

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

Emission Unit: U-00002

Emission Unit Description:

ONE CLASS-F COMBUSTION TURBINE RATED AT 1998 MMBTU/HR AT 51 DEGREES F (2234 MMBTU/HR AT -5 DEGREES F) ON NATURAL GAS AND 2145 MMBTU/HR AT -5 DEGREES F ON FUEL OIL (,0.0015% SULFUR). THE TURBINE IS EQUIPPED WITH DRY LOW-NOX COMBUSTORS, STEAM INJECTION, SCR AND OXIDATION CATALYST EMISSION CONTROLS. THIS EMISSION UNIT ALSO CONTAINS A NATURAL GAS-FIRED DUCT BURNER RATED AT A MAXIMUM CAPACITY OF 500 MMBTU/HR.

Building(s): ACC02
GEN02
HRSG02

Item 93.3:

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

Emission Unit: U-00003

Emission Unit Description:

ONE 73.5 MMBTU/HR AUXILIARY BOILER THAT WILL FIRE NATURAL GAS EXCLUSIVELY. THE BOILER HOURS WILL BE LIMITED TO 2000 HOURS PER YEAR. THE BOILER WILL OPERATE PRIMARILY TO ASSIST WITH STARTUPS AND SHUTDOWNS OF THE TURBINES.

Building(s): GEN01

Item 93.4:

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

Emission Unit: U-00004

Emission Unit Description:

Emergency Diesel Generator operating less than 500 hours per year.

New York State Department of Environmental Conservation

Permit ID: 3-3356-00136/00001

Facility DEC ID: 3335600136



Item 93.5:

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

Emission Unit: U-00005

Emission Unit Description:

Emergency Fire water Pump

Item 93.6:

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

Emission Unit: U-00006

Emission Unit Description:

Two Fuel Gas Heaters

Condition 94: Visible Emissions Limited

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR 211.2

Item 94.1:

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 95: CO2 Budget Trading Program - Excess emission requirements

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR 242-1.5

Item 95.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

Condition 96: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR 242-1.5

Item 96.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 96.2:

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 1/30/2014.

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

Condition 97: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR 242-1.5

Item 97.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 97.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit

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the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

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

**Condition 98: Emission Point Definition By Emission Unit
Effective between the dates of 08/01/2013 and 07/31/2018**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 98.1:

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 275

Diameter (in.): 228

NYTMN (km.): 4584.693 NYTME (km.): 546.98

Item 98.2:

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 275

Diameter (in.): 228

NYTMN (km.): 4584.655 NYTME (km.): 546.991

Item 98.3:

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 275

Diameter (in.): 228

NYTMN (km.): 4584.655 NYTME (km.): 546.991

Item 98.4:

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

Emission Unit: U-00004

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Emission Point: EP004
Height (ft.): 50 Diameter (in.): 18
NYTMN (km.): 4584.651 NYTME (km.): 547.129

Item 98.5:

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

Emission Unit: U-00005

Emission Point: EP006
Height (ft.): 50 Diameter (in.): 6
NYTMN (km.): 4584.669 NYTME (km.): 546.815

Item 98.6:

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

Emission Unit: U-00006

Emission Point: EP005
Height (ft.): 125 Diameter (in.): 24
NYTMN (km.): 4584.58 NYTME (km.): 546.958

Condition 99: Process Definition By Emission Unit
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 99.1:

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

Emission Unit: U-00001
Process: P1A Source Classification Code: 2-01-002-01

Process Description:
REPRESENTS NATURAL GAS FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,234 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO). DRY LOW-NOX COMBUSTION TECHNOLOGY, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NOX, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,234 MMBtu/hr AT -5 DEGREES F) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS THE TURBINE AT THE FIRING RATE AT THE ANNUAL AVERAGE AMBIENT TEMPERATURE OF 51 DEGREES F (1,998 MMBtu/hr). NATURAL GAS HIGHER HEATING VALUE IS ASSUMED TO BE 1,048 BTU/CUBIC FOOT.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,234 million Btu per hour

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Emission Source/Control: DLN01 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 99.2:

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

Emission Unit: U-00001

Process: P2A

Source Classification Code: 2-01-002-01

Process Description:

REPRESENTS COMBINED NATURAL GAS FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,234 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO) AND NATURAL GAS FIRING IN THE DUCT BURNER, WHICH IS RATED AT 500 mmBTU/hr. DRY LOW-NO_x COMBUSTION TECHNOLOGY, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NO_x, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,234 MMBtu/hr AT -5 DEGREES F) OF THE TURBINE PLUS THE DUCT BURNER AT RATED CAPACITY (500 mmBTU/hr) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS 8,760 HOURS OF NATURAL GAS FIRING IN THE TURBINE AT THE ANNUAL AVERAGE AMBIENT TEMPERATURE OF 51 DEGREES F (1,998 MMBtu/hr). NATURAL GAS HIGHER HEATING VALUE IS ASSUMED TO BE 1,048 BTU/CUBIC FOOT.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DB001 - Combustion
Design Capacity: 500 million Btu per hour

Emission Source/Control: DLN01 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)



Item 99.3:

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

Emission Unit: U-00001

Process: P3A

Source Classification Code: 2-01-001-01

Process Description:

REPRESENTS FUEL OIL FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,145 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO). DRY LOW-NOX COMBUSTION TECHNOLOGY, STEAM OR WATER INJECTION, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NOX, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,145 MMBtu/hr AT -5 DEGREES F) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS 720 HOURS OF FUEL OIL FIRING AT THE FIRING RATE AT -5 DEGREES F AMBIENT TEMPERATURE. FUEL OIL HIGHER HEATING VALUE IS ASSUMED TO BE 139,728 BTU/GALLON.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN01 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: ST101 - Control
Control Type: STEAM OR WATER INJECTION

Item 99.4:

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

Emission Unit: U-00002

Process: P01

Source Classification Code: 2-01-002-01

Process Description:

REPRESENTS NATURAL GAS FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,234 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO). DRY LOW-NOX COMBUSTION TECHNOLOGY, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NOX, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT

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LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,234 MMBtu/hr AT -5 DEGREES F) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS THE TURBINE AT THE FIRING RATE AT THE ANNUAL AVERAGE AMBIENT TEMPERATURE OF 51 DEGREES F (1,998 MMBtu/hr). NATURAL GAS HIGHER HEATING VALUE IS ASSUMED TO BE 1,048 BTU/CUBIC FOOT.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN02 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY02 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 99.5:

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

Emission Unit: U-00002

Process: P02

Source Classification Code: 2-01-002-01

Process Description:

REPRESENTS COMBINED NATURAL GAS FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,234 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO) AND NATURAL GAS FIRING IN THE DUCT BURNER, WHICH IS RATED AT 500 mmBTU/hr. DRY LOW-NO_x COMBUSTION TECHNOLOGY, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NO_x, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,234 MMBtu/hr AT -5 DEGREES F) OF THE TURBINE PLUS THE DUCT BURNER AT RATED CAPACITY (500 mmBTU/hr) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS 8,760 HOURS OF NATURAL GAS FIRING IN THE TURBINE AT THE ANNUAL AVERAGE AMBIENT TEMPERATURE OF 51 DEGREES F (1,998 MMBtu/hr). NATURAL GAS HIGHER HEATING VALUE IS ASSUMED TO BE 1,048 BTU/CUBIC FOOT.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DB002 - Combustion

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Design Capacity: 500 million Btu per hour

Emission Source/Control: DLN02 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY02 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 99.6:

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

Emission Unit: U-00002

Process: P03

Source Classification Code: 2-01-001-01

Process Description:

REPRESENTS FUEL OIL FIRING IN THE CLASS-F COMBUSTION TURBINE, WHICH IS RATED AT 2,145 mmBTU/hr AT -5 DEGREES F (MAXIMUM HEAT INPUT SCENARIO). DRY LOW-NO_x COMBUSTION TECHNOLOGY, STEAM OR WATER INJECTION, SELECTIVE CATALYTIC REDUCTION (SCR) AND OXIDATION CATALYST WILL BE USED TO MINIMIZE EMISSIONS OF NO_x, CO, AND VOC. THE QUANTITY PER HOUR THROUGHPUT LISTED BELOW REPRESENTS THE MAXIMUM FIRING RATE (2,145 MMBtu/hr AT -5 DEGREES F) AND THE QUANTITY PER YEAR THROUGHPUT REPRESENTS 720 HOURS OF FUEL OIL FIRING AT THE FIRING RATE AT -5 DEGREES F AMBIENT TEMPERATURE. FUEL OIL HIGHER HEATING VALUE IS ASSUMED TO BE 139,728 BTU/GALLON.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN02 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: OXY02 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: ST102 - Control
Control Type: STEAM OR WATER INJECTION

Item 99.7:

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



Emission Unit: U-00003
Process: P3B Source Classification Code: 1-02-006-02
Process Description:
REPRESENTS NATURAL GAS FIRING IN THE
AUXILIARY BOILER, WHICH IS RATED AT 73.5
MMBTU/HR. TOTAL NATURAL GAS USAGE WILL NOT
EXCEED 2,000 FULL LOAD BOILER HOURS PER
YEAR. NATURAL GAS HIGHER HEATING VALUE IS
ASSUMED TO BE 1,048 BTU/CUBIC FOOT

Emission Source/Control: AUX01 - Combustion
Design Capacity: 73.5 million Btu per hour

Emission Source/Control: FGR01 - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: LNB01 - Control
Control Type: LOW NO_x BURNER

Item 99.8:

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

Emission Unit: U-00004
Process: P04
Process Description: Emergency generator firing diesel fuel

Emission Source/Control: EG001 - Combustion
Design Capacity: 15.43 million BTUs per hour

Item 99.9:

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

Emission Unit: U-00005
Process: P05
Process Description: Fire pump firing diesel fuel.

Emission Source/Control: FP001 - Combustion
Design Capacity: 2.27 million Btu per hour

Item 99.10:

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

Emission Unit: U-00006
Process: P06
Process Description: gas heater operating on natural gas

Emission Source/Control: FGH01 - Combustion
Design Capacity: 5.02 million Btu per hour

Emission Source/Control: FHG02 - Combustion
Design Capacity: 5.02 million Btu per hour

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Condition 100: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2018

Applicable State Requirement: 6 NYCRR 251.3 (a)

Item 100.1:

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

Emission Unit: U-00001 Emission Point: EP001

Emission Unit: U-00002 Emission Point: EP002

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

Item 100.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 925 pounds of CO₂ per MW hour gross electrical output (output-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total (gross) MW generated (output-based limit). The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 925 pounds per megawatt hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

