



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6301-00084/00015  
Effective Date: 03/28/2013 Expiration Date: 03/27/2018

Permit Issued To: NEW YORK POWER AUTHORITY  
123 MAIN ST  
WHITE PLAINS, NY 10601

Contact: KOLLI M RAO  
NEW YORK POWER AUTHORITY  
123 MAIN STREET  
WHITE PLAINS, NY 10601  
(914) 681-6387

Facility: POLETTI POWER PROJECT  
31-03 20TH AVE  
ASTORIA, NY 11105

**Description:**

This project is operation of a 500 MW power plant at the existing Charles Poletti Power Complex located at 31-03 20th Avenue, Astoria, New York 11105. The old original power plant ceased its operation and is closed already. This site is zoned for heavy industrial use including power generation. The site is close to area surrounded by other industrial facilities including the Steinway Piano manufacturing, Bowery Bay Water Pollution Control Plant, and other existing power plants. The original Title V permit was issued on 10/01/2002 with an expiry date of 9/30/2007. Renewal 1 was issued on 3/17/2008 with an expiry date of 3/16/2013. This is for the renewal of the same permit.

The plant consists of a nominal 500 megawatt (MW) combined-cycle natural gas fired facility with the ability to operate with Kerosene oil as a backup fuel. The major components of the plant include two (2) General Electric Model No. GE S207FA combustion turbines, two (2) unfired heat recovery steam generators (HRSGs), one (1) steam turbine, and one diesel engines for emergency equipment. The turbines will fire natural gas with up to 30 days (720 hours) per year of kerosene oil. The facility technology is referred to as combined-cycle because electric power is generated in both gas and steam turbines resulting in a highly efficient process of fuel utilization. The Standard Industrial Code for this facility is 4911- Electrical Services (establishments engaged in the generation, transmission, and/or distribution of electric energy for sale).

Emission Unit U00003 represents two GE Combustion Turbines (Model # GE S207FA). This Emission Unit consists of two processes: PC1 and PC2. Process PC1 represents natural gas firing in the combustion turbines, each rated at 1779 MM Btu/hr when firing natural gas (the primary fuel) at 54.6 degrees F. The plant is limited to a total maximum throughput value of 1.868 million cubic feet per hour or 16,364 million cubic feet per year of Natural gas.



Process PC2 represents firing of kerosene oil in the combustion turbines, each rated at 2,041 MM BTU/hr when firing kerosene oil (the back-up fuel) at -5 degrees F. Kerosene oil use will be limited to a maximum of 30 days (720 hours) per year. The plant is limited to a total maximum throughput value of 30,278 gallons per hour or 21.8 million gallons per year of kerosene oil.

Each turbine is equipped with dry low NO<sub>x</sub> burners and Selective Catalytic Reduction (SCR) to control NO<sub>x</sub> emissions. Emissions of Carbon Monoxide (CO) emissions and Volatile Organic Compounds (VOC) are controlled by an oxidation catalyst. Control of the ammonia feed rate will be based on the NO<sub>x</sub> and fuel flow and in order to control the ammonia emissions. This configuration represents Best Available Control Technology (BACT). The proposed pollution control equipment will also result in the Lowest Achievable Emission Rate (LAER) for NO<sub>x</sub>, CO and Volatile Organic Compounds (VOC's).

NYPA's old plant, also at the Charles Poletti site in Astoria, Queens, which was an existing major stationary source with DEC ID # 2-6301-00084/00010 having a separate Title V permit is closed already a few years ago. Because of the emissions of Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxides (NO<sub>x</sub>), Particulate Matter (PM), Particulate Matter sized 10 microns or less (PM<sub>10</sub>), and Sulfuric Acid Mist from the proposed project will exceed the PSD significant levels at 40 CFR 52.21(b)(23)(i), NYPA is subject to the PSD requirements for those pollutants. As part of the application, NYPA provided a control technology analysis for the various pollutants based on the area's attainment status and the potential emissions from the facility. The facility is located in a severe non-attainment area for ozone. Oxides of Nitrogen (NO<sub>x</sub>) and volatile organic compounds (VOCs) are precursors to ozone formation and are treated as non-attainment pollutants, even though the area is in attainment for NO<sub>x</sub>. Also, the facility is located in a moderate non-attainment area for carbon monoxide. Therefore, the facility will need to meet the more stringent lowest achievable emission rate (LAER) requirements for the emissions of NO<sub>x</sub>, VOC and CO. The NO<sub>x</sub> emissions will be reduced with SCR - selective catalytic reduction in the HRSG design of the turbine. The emissions of VOC and CO will be controlled through the use of a carbon monoxide oxidation catalyst equipped in the HRSG design of the turbine. The emissions of particulate matter (PM/PM-10) will be controlled through the use of clean burning fuels (natural gas and kerosene oil). The emissions of sulfur dioxide (SO<sub>2</sub>) and sulfuric acid mist (H<sub>2</sub>SO<sub>4</sub>) will be controlled through the use of low sulfur fuels (natural gas and low sulfur kerosene oil).

The Title V Permit contains a complete listing of the applicable Federal, State and compliance monitoring requirements for the proposed facility, its emission units and emission points. The facility is subject to the provisions of Title V facility specified under 6NYCRR 201-6 in addition to the following regulations and conditions:

1. The facility has to comply with LAER (Lowest Achievable Emission Rate) by meeting the emission limits listed below under 6NYCRR 231-2 for NO<sub>x</sub>, CO and VOC. All emission limits are based on one-hour average with the exception of the NO<sub>x</sub> emission limit and Ammonia slip limit, which are based on a 3-hour block average.
2. The facility has to comply with BACT (Best Available Control Technology) by meeting the emission limits listed below under 40 CFR 52-21.A for PM/PM 10, Sulfuric Acid and Ammonia.



3. The facility has to comply with the NOx RACT requirements for combined cycle combustion turbines when firing oil and gas in 6NYCRR 227-2.4(e)(2)(ii).
4. The facility has to comply with the requirements for emission testing, emission monitoring, record keeping and reporting as in 40 CFR 60, NSPS.
5. The facility has to comply with the requirements of 40 CFR 60 Subpart GG - Standards of Performance for Stationary Gas Turbines for SO<sub>2</sub> and NO<sub>x</sub> limits in 40 CFR 60.332, 40 CFR 60.333, 40 CFR 60.334, and 40 CFR 60.335.
6. The facility has to comply with the 0.04% by weight sulfur limit in the kerosene oil.
7. Demonstration of continuous compliance with the PSD permit limits will not be required until completion of the PSD compliance testing, or within 180 days of startup, whichever date comes first. However, the permittee shall take all reasonable steps to minimize emissions during startup and equipment testing prior to completion of compliance testing.
8. The facility has to comply with the following Emission Limits according to 6NYCRR 231-2 (New Source Review) and 40 CFR 52-A.21 (PSD - Prevention of Significant Deterioration):

Pollutant	Natural Gas (Process PC1)		Kerosene (Process PC2)		lb/hr	Combined ppm
	lb/mmbtu	lb/hr	ppm	lb/btumm		
Cycle Annual Limit (tpy)						
VOCs	0.0017	3.2	1.3	0.0041	8.4	3.0
31.0						
NOx	0.0074	14.3	2.0	0.0400	80.9	10.0
165.0						
CO	0.0056	10.9	2.5	0.0121	24.6	5.0
90.0						
PM	0.0150	15.0	n/a	0.0470	67.0	n/a
169.0						
SO <sub>2</sub>	0.0006	1.1	n/a	0.0420	84.2	n/a
67.0						
Sulfur Acid Mist	0.002	3.0	n/a	0.0120	23.2	n/a
19.0						
Ammonia Slip	n/a	13.3	5.0	n/a	29.9	10.0
129.0						

These limits are per turbine basis, except for the Combined cycle Annual Limits, which are for the total plant in tons per year. These facility-wide annual emission limits include emissions from both exempt and non-exempt sources.



The proposed limits in the draft PSD and Part 201-6 permit conditions (and the Part 231 Non-Attainment New Source review) reflect recent BACT and LAER determinations in other Article X project permits.

9. The facility shall comply with the all compliance certification requirements of New Source Performance Standards (40 CFR Part 60); Acid Rain Rules (40 CFR Parts 72 , 40 CFR Part 73, 40 CFR Part 75, 40 CFR Part 77 and 40 CFR Part 78); and NOX Budget Rules (6 NYCRR Part 227-3 and 6 NYCRR Part 204). This facility is a mandatory participant in the NOx budget program. The facility has installed a Continuous Emission Monitoring (CEM) system for NOx and is required to retain records and reports of all measurements, data, calculations, and other information required by 6 NYCRR Part 227-3 for at least five years and submit quarterly reports in a format which meets the requirements of the Administrator's Electronic Data Reporting convention, with the information regarding emissions and operations during each calendar quarter of each year, to EPA and NYSDEC.

Stack continuous emissions monitoring (CEM) equipment for NOx, CO and Ammonia slip shall be installed and operated during all loads of operations. All required CEMS certification testing shall be completed for each turbine within 180 days of first fire of gas turbine unit. The CEM data from this equipment shall be used to determine compliance with the emission limits listed above. Excess emissions measured by the CEM equipment shall constitute violations of the applicable emission limits. The facility must adhere to record keeping and reporting requirements listed throughout the Title V permit.

10. Stack testing to determine compliance with the NOx, CO, PM/PM-10, Sulfuric Acid Mist and VOC emission limits shall be completed for both turbines within 180 days of the first fire of the gas turbines. Stack testing shall be done in accordance with a stack test protocol approved by the Department. The permittee shall submit a stack test protocol to the Department for review at least 60 days prior to conducting the test. The permittee shall notify the Department of the scheduled test dates at least 30 days prior to such dates. The final stack test report shall be submitted to the Department within 60 days of completion of the test.

11. Since the facility is located in a severe non-attainment area for ozone, the emissions of the ozone precursors, NOx and VOC, will have to be offset at a ratio of 1.3 to 1.

The facility is also located in a moderate non-attainment area for CO. However, since the emissions of CO are less than 100 tons per year, due to application of an oxidation catalyst, these emissions will not have to be offset. The plant will cap CO emission at 90 tpy.

12. Use of Emission Reduction Credit: NYPA will require offset amounts of 41 tons for VOC and 217 tons for NOx for the proposed project. NYPA has arranged to buy 41 tons of VOC offsets from "Minnesota Mining and Manufacturing Company (3M), Bristol Township, Bucks County, PA". For NOx, NYPA has arranged to buy 217 tons of offsets from "Wisvest-Connecticut, LLC, Bridgeport, CT". This would satisfy the ERCs offset requirements to go ahead with the proposed project.

13. The facility is not subject to the Maximum Achievable Control Technology (MACT) requirements of 40 CFR 63, Subpart B, because the emissions of hazardous air pollutants

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2630100084**



will be below major source thresholds. A CO catalyst will be used to achieve a 90% reduction in the emissions of formaldehyde.

14. The limit on the operation of the one diesel engine will be 200 hours of operation per year and one hour per week of testing.

15. The facility is subject to the general provisions, notification, record keeping, performance tests, compliance and monitoring requirements of all the regulations listed in this permit. The facility shall retain records and summaries for at least five years and upon the request of the NYSDEC shall furnish such records and summaries.

In summary, NYPA (except for Manufacturer,s name/model # for all the controls - CEMs), has appropriately addressed all required control technology and impact analysis concern and would have demonstrated compliance with NAAQS (National Air Quality Standards), NSPS (New Source Performance Standards) and PSD (Prevention of Significant Deterioration) increments for the proposed project.

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: JOHN F CRYAN  
NYSDEC  
47-40 21ST ST  
LONG ISLAND CITY, NY 11101-5407

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

- Submission of application for permit modification or renewal -

REGION 2 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before 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 the statute, regulation or another permit condition. Applications for permit transfer should be



submitted prior to actual transfer of ownership.

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

**Item 4.1:**

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

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

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: NEW YORK POWER AUTHORITY  
123 MAIN ST  
WHITE PLAINS, NY 10601

Facility: POLETTI POWER PROJECT  
31-03 20TH AVE  
ASTORIA, NY 11105

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

Permit Effective Date: 03/28/2013

Permit Expiration Date: 03/27/2018



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 202-2.1: Compliance Certification
- 3 6 NYCRR 202-2.5: Recordkeeping requirements
- 4 6 NYCRR 215.2: Open Fires - Prohibitions
- 5 6 NYCRR 200.7: Maintenance of Equipment
- 6 6 NYCRR 201-1.7: Recycling and Salvage
- 7 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 8 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 9 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 10 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 11 6 NYCRR 202-1.1: Required Emissions Tests
- 12 40 CFR Part 68: Accidental release provisions.
- 13 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 14 6 NYCRR Subpart 201-6: Steady state and fuel switching emission limit applicability.
- 15 6 NYCRR Subpart 201-6: Emission Unit Definition
- 16 6 NYCRR Subpart 201-6: Compliance Certification
- 17 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 18 6 NYCRR 201-6.4 (a) (7): Fees
- 19 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 20 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 21 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 202-1.5: Prohibitions
- 24 6 NYCRR Part 207: Submittal of Episode Action Plans
- 25 6 NYCRR 211.1: Air pollution prohibited
- 26 6 NYCRR 225-1.2 (d): Compliance Certification
- 27 6 NYCRR 231-10.2: Compliance Certification
- 28 6 NYCRR 243-1.6 (a): Permit Requirements
- 29 6 NYCRR 243-1.6 (b): Monitoring requirements
- 30 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 31 6 NYCRR 243-1.6 (d): Excess emission requirements
- 32 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 33 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 34 6 NYCRR 243-2.4: Certificate of representation
- 35 6 NYCRR 243-8.1: General requirements
- 36 6 NYCRR 243-8.1: Prohibitions
- 37 6 NYCRR 243-8.5 (d): Quarterly reports
- 38 6 NYCRR 243-8.5 (e): Compliance certification
- 39 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General Conditions
- 40 6 NYCRR Subpart 244-2: Designated CAIR Representative



- 41 6 NYCRR Subpart 244-8: Compliance Certification
  - 42 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
  - 43 6 NYCRR Subpart 245-2: Designated CAIR Representative
  - 44 6 NYCRR Subpart 245-8: Compliance Certification
  - 45 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
  - 46 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -  
If a COM is not used.
  - 47 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -  
if a COM is used
  - 48 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
  - 49 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
  - 50 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
  - 51 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
  - 52 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
  - 53 40CFR 60.8(d), NSPS Subpart A: Prior notice.
  - 54 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
  - 55 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
  - 56 40CFR 60.9, NSPS Subpart A: Availability of information.
  - 57 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
  - 58 40CFR 60.12, NSPS Subpart A: Circumvention.
  - 59 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
  - 60 40CFR 60.14, NSPS Subpart A: Modifications.
  - 61 40CFR 60.15, NSPS Subpart A: Reconstruction
  - 62 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations  
and Permitting
- Emission Unit Level**
- 63 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
  - 64 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=U-00003**

- 65 6 NYCRR 227-1.3 (a): Compliance Certification
- 66 6 NYCRR 231-2.6: Compliance Certification
- 67 6 NYCRR 231-2.6: Compliance Certification
- 68 6 NYCRR 231-2.6: Compliance Certification
- 69 6 NYCRR 231-2.9: Compliance Certification
- 70 40CFR 52.21, Subpart A: Compliance Certification
- 71 40CFR 52.21, Subpart A: Compliance Certification
- 72 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification

**EU=U-00003,Proc=PC1**

- 73 6 NYCRR 231-2.5 (a): Compliance Certification
- 74 6 NYCRR 231-2.5 (a): Compliance Certification
- 75 6 NYCRR 231-2.5 (a): Compliance Certification
- 76 6 NYCRR 231-2.5 (a): Compliance Certification
- 77 6 NYCRR 231-2.5 (a): Compliance Certification
- 78 6 NYCRR 231-2.5 (a): Compliance Certification
- 79 40CFR 52.21(j), Subpart A: Compliance Certification
- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 52.21(j), Subpart A: Compliance Certification
- 83 40CFR 52.21(j), Subpart A: Compliance Certification



**EU=U-00003,Proc=PC2**

- 84 6 NYCRR 201-6.1: Compliance Certification
- 85 6 NYCRR 231-2.5 (a): Compliance Certification
- 86 6 NYCRR 231-2.5 (a): Compliance Certification
- 87 6 NYCRR 231-2.5 (a): Compliance Certification
- 88 6 NYCRR 231-2.5 (a): Compliance Certification
- 89 6 NYCRR 231-2.5 (a): Compliance Certification
- 90 6 NYCRR 231-2.5 (a): Compliance Certification
- 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 95 40CFR 52.21(j), Subpart A: Compliance Certification
- 96 40CFR 52.21(j), Subpart A: Compliance Certification
- 97 40CFR 60.333(b), NSPS Subpart GG: Compliance Certification

**EU=U-00003,Proc=PC3**

- 98 6 NYCRR 227.2 (b) (1): Compliance Certification
- 99 6 NYCRR 231-2.6: Compliance Certification

**EU=U-00003,EP=0003A,Proc=PC1,ES=CC03A**

- 100 6 NYCRR 231-2.5 (a): Compliance Certification
- 101 6 NYCRR 231-2.5 (a): Compliance Certification
- 102 6 NYCRR 231-2.5 (a): Compliance Certification
- 103 40CFR 52.21(j), Subpart A: Compliance Certification
- 104 40CFR 52.21(j), Subpart A: Compliance Certification
- 105 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=U-00003,EP=0003A,Proc=PC2,ES=CC03A**

- 106 6 NYCRR 231-2.5 (a): Compliance Certification
- 107 6 NYCRR 231-2.5 (a): Compliance Certification
- 108 6 NYCRR 231-2.5 (a): Compliance Certification
- 109 40CFR 52.21(j), Subpart A: Compliance Certification
- 110 40CFR 52.21(j), Subpart A: Compliance Certification
- 111 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=U-00003,EP=0003B,Proc=PC1,ES=CC03B**

- 112 6 NYCRR 231-2.5 (a): Compliance Certification
- 113 6 NYCRR 231-2.5 (a): Compliance Certification
- 114 6 NYCRR 231-2.5 (a): Compliance Certification
- 115 40CFR 52.21(j), Subpart A: Compliance Certification
- 116 40CFR 52.21(j), Subpart A: Compliance Certification
- 117 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=U-00003,EP=0003B,Proc=PC2,ES=CC03B**

- 118 6 NYCRR 231-2.5 (a): Compliance Certification
- 119 6 NYCRR 231-2.5 (a): Compliance Certification
- 120 6 NYCRR 231-2.5 (a): Compliance Certification
- 121 40CFR 52.21(j), Subpart A: Compliance Certification
- 122 40CFR 52.21(j), Subpart A: Compliance Certification
- 123 40CFR 52.21(j), Subpart A: Compliance Certification



**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 124 ECL 19-0301: Contaminant List
- 125 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 126 6 NYCRR 211.2: Visible Emissions Limited



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

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

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

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



**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**

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

**Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**

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

**Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**

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

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**

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

**Item H: Property Rights - 6 NYCRR 201-6.5 (a) (6)**

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



**Item I: Severability - 6 NYCRR 201-6.5 (a) (9)**

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

**Item J: Permit Shield - 6 NYCRR 201-6.5 (g)**

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item K: Reopening for Cause - 6 NYCRR 201-6.5 (i)**

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

**Item 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.

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**  
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 2.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 2.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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



year.

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

**Condition 3: Recordkeeping requirements**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 3.1:**

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 4: Open Fires - Prohibitions**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 4.1:**

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

**Item 4.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.



- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 5: Maintenance of Equipment  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 5.1:**

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 6: Recycling and Salvage  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 6.1:**

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



**Condition 7: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 7.1:**

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

**Condition 8: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 8.1:**

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

**Condition 9: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 9.1:**

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

**Condition 10: Off Permit Changes**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)**

**Item 10.1:**

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





**Item 13.1:**

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

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

**Condition 14: Steady state and fuel switching emission limit applicability.**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 14.1: The emission limits for NO<sub>x</sub>, CO, and ammonia are monitored by continuous emissions monitors (CEMs), and apply only during periods of steady state operation of the turbines. The owner or operator is required to develop emission limits for these pollutants during periods of start-up, shutdown, and fuel switching for both natural gas and distillate oil firing modes of operation.**

**Condition 15: Emission Unit Definition**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 15.1:**

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

Emission Unit: U-00003

Emission Unit Description:

EMISSION UNIT U00003 REPRESENTS TWO GE S207FA COMBUSTION TURBINES RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 D F. THE TWO TURBINES WILL EACH VENT TO SEPARATE FLUE (EP0003A AND EP0003B) . THE "COMBINED CYCLE FACILITY" WILL GENERATE APPROXIMATELY 500 MW OF POWER.

Building(s): CCNYPA1

**Condition 16: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 16.1:**

The Compliance Certification activity will be performed for the Facility.





with the fee schedule authorized by ECL 72-0303.

**Condition 19: Right to Inspect**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 19.1:**

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 20: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 20.1:**

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

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

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



**Condition 21: Records of Monitoring, Sampling, and Measurement**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 21.1:**

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

**Condition 22: Progress Reports Due Semiannually**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 22.1:**

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

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

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

**Condition 23: Prohibitions**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 202-1.5**

**Item 23.1:**

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

**Condition 24: Submittal of Episode Action Plans**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Part 207**

**Item 24.1:**

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan

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Facility DEC ID: 2630100084



when an air pollution episode is in effect.

**Condition 25: Air pollution prohibited**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 25.1:**

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

**Condition 26: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 225-1.2 (d)**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYP&A WILL UTILIZE KEROSENE FUEL OIL CONTAINING A MAXIMUM 0.04% SULFUR BY WEIGHT AT THE FACILITY. NYP&A IS PROPOSING COMPLIANCE BY TAKING A SAMPLE OF KEROSENE FUEL OIL FROM THE BULK STORAGE TANK AFTER EACH OIL DELIVERY AND TESTING THE SAMPLE FOR SULFUR CONTENT. A LOG OF THE SULFUR CONTENT IN OIL PER DELIVERY MUST BE MAINTAINED ON SITE FOR A MINIMUM OF FIVE YEARS AFTER THE DATE OF LAST ENTRY.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Reference Test Method: ASTM METH D4294

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY

New York State Department of Environmental Conservation

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TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2013.
Subsequent reports are due every 3 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 03/28/2013 and 03/27/2018

Applicable Federal Requirement:6 NYCRR 231-10.2

Item 27.1:
The Compliance Certification activity will be performed for the Facility.

Item 27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This plant with the DEC id # 2-6301-00084/00010
consisting of Emission Unit # U-00001 was closed on
January 30, 2010. The facility submitted an application,
dated July 21, 2010 for Emission Reduction Credits (ERCs)
for the Nitrogen Oxides (NOx), Volatile Organic Compounds
(VOCs) and Particulate Matter (PM 2.5). The Department
(NYSDEC) reviewed the ERC application and agreed to
approve the ERCs as follows:

Table with 4 columns: ERCs approved (tons), NOx, VOCs, PM 2.5. Values: 1,554.0, 48.60, 93.60.

The quantity of approved VOC and PM2.5 is slightly less
than requested to reflect the quantities reported in the
Unit's emission inventories for 2007 and 2008.

These ERCs were noticed in ENB on October 26, 2011 under
DEC id # 2-6301-00084/00020. This is just for records and
does not require further monitoring or reporting. This
approval of credits does not affect the functioning of the
facility's other plant with DEC Id # 2-6301-00084/00015,
which has its own Title V Air permit. This is for records
and does not require reporting

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

Condition 28: Permit Requirements
Effective between the dates of 03/28/2013 and 03/27/2018

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





oxides in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> Ozone Season allowance to or from a CAIR NO<sub>x</sub> Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**Condition 31: Excess emission requirements**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 31.1:**

If a CAIR NO<sub>x</sub> Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:

- (1) the owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> 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 32: Recordkeeping and reporting requirements**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 32.1:**

Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> 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 NO<sub>x</sub> 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 33: Authorization and responsibilities of CAIR designated representative**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement: 6 NYCRR 243-2.1**

**Item 33.1:**

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 NOx 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 34: Certificate of representation**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 243-2.4**

**Item 34.1:**

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 35: General requirements**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 35.1:**

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx 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 NOx 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 NOx 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 NOx Ozone Season unit.

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

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx 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 243-8.1(a)(1); and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

**Condition 36: Prohibitions**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 36.1:**



No owner or operator of a CAIR NO<sub>x</sub> 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<sub>x</sub> Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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 37: Quarterly reports**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 37.1:**

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

If the CAIR NO<sub>x</sub> Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO<sub>x</sub> 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 Subpart H of 40 CFR Part 75 (concerning monitoring of NO<sub>x</sub> mass emissions) for such unit for the entire year and shall report the NO<sub>x</sub> 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





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 40: Designated CAIR Representative  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 244-2**

**Item 40.1:**

1) Each Clean Air Interstate Rule (CAIR) NOx 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 NOx 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 NOx source represented in all matters pertaining to the CAIR NOx 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 NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx 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 41: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 244-8**

**Item 41.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NOX 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 NOx mass emissions data and heat input data for each CAIR NOx 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 NOx units that are also subject to an Acid Rain emissions limitation or the CAIR NOx 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 NOx 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 NOx emission controls and for all hours where NOx 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 NOx 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 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 42: CAIR SO2 Trading Program General Provisions  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 245-1**

**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) 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 SO2 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 SO<sub>2</sub> source emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, the owners and operators of the source shall surrender the CAIR SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO<sub>2</sub> Trading Program or to demonstrate compliance with the requirements of the CAIR SO<sub>2</sub> Trading Program.

**Condition 43: Designated CAIR Representative**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement: 6 NYCRR Subpart 245-2**

**Item 43.1:**

1) Each CAIR SO<sub>2</sub> 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 SO<sub>2</sub> Trading Program. The CAIR designated representative of the CAIR SO<sub>2</sub> source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO<sub>2</sub> 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 each owner and operator of the CAIR SO<sub>2</sub> source represented and each CAIR SO<sub>2</sub> unit at the source in all matters pertaining to the CAIR SO<sub>2</sub> 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 SO<sub>2</sub> Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO<sub>2</sub> 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 44: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 245-8**

**Item 44.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO<sub>2</sub> emissions:

1) The owners and operators, and to the extent applicable, the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> unit. [245-8.1]

2)The owner or operator of each CAIR SO<sub>2</sub> unit shall:  
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO<sub>2</sub> mass emissions and individual unit heat input (including all systems required to monitor SO<sub>2</sub> concentration, stack gas moisture content, stack gas



flow rate, CO<sub>2</sub> or O<sub>2</sub> 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 SO<sub>2</sub> unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> mass emissions data and heat input data for each CAIR SO<sub>2</sub> 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 SO<sub>2</sub> units that are also subject to an Acid Rain emissions limitation or the CAIR NO<sub>x</sub> Annual Trading Program, CAIR NO<sub>x</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> emission controls and for all hours where SO<sub>2</sub> 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 SO<sub>2</sub> 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 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 45: EPA Region 2 address.  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 45.1:**

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

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

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





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, if a continuous opacity monitor is not being used at the facility; and

7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to the performance test.

**Condition 48: Recordkeeping requirements.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 48.1:**

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

**Condition 49: Excess emissions report.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 49.1:**

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 50: Facility files for subject sources.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 50.1:**

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 51: Performance test methods.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**



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

**Item 51.1:**

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 52: Required performance test information.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 52.1:**

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

**Condition 53: Prior notice.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 53.1:**

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

**Condition 54: Performance testing facilities.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 54.1:**

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 55: Number of required tests.**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 55.1:**

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 56: Availability of information.**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A**

**Item 56.1:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 57: Opacity standard compliance testing.**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A**

**Item 57.1:**

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

**Condition 58: Circumvention.**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A**

**Item 58.1:**

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 59: Monitoring requirements.**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A**

**Item 59.1:**

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

**Condition 60: Modifications.**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A**



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Emission Unit: U-00003

Emission Point: 0003A

Height (ft.): 250

Diameter (in.): 222

NYTMN (km.): 4515.2

NYTME (km.): 591.7

Building: CCNYPA1

Emission Point: 0003B

Height (ft.): 250

Diameter (in.): 222

NYTMN (km.): 4515.2

NYTME (km.): 591.7

Building: CCNYPA1

**Condition 64: Process Definition By Emission Unit  
Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 64.1:**

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

Emission Unit: U-00003

Process: PC1

Source Classification Code: 2-01-002-01

Process Description:

EMISSION UNIT U00003 REPRESENTS TWO GE S207FA COMBUSTION TURBINES RATED AT 1,779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 D F OPERATING AT 50-100% LOAD. PROCESS PC1 FOR EM ISSION UNIT U00003 REPRESENTS NATURAL GAS FIRING IN THE TURBINE. FOR THIS PROCESS, DRY LOW-NOX BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NOX EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED BY AN OXIDATION CATALYST. TOTAL THROUGHPUT VALUES LISTED BELOW REPRESENT MAXIMUM NATURAL GAS USE FOR THE SHORT-TERM (HOURLY) BASIS WHILE THE ANNUAL QUANTITY PER YEAR OF NATURAL GAS REPRESENTS TURBINE OPERATIONS AT THE AVERAGE ANNUAL TEMPERATURE (54.6D F).

Emission Source/Control: CC03A - Combustion

Design Capacity: 1,779 million Btu per hour

Emission Source/Control: CC03B - Combustion

Design Capacity: 2,041 million Btu per hour

Emission Source/Control: CAT3A - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: CAT3B - Control



Control Type: CATALYTIC OXIDATION

Emission Source/Control: DLN3A - Control  
Control Type: DRY LOW NO<sub>x</sub> BURNER

Emission Source/Control: DLN3B - Control  
Control Type: DRY LOW NO<sub>x</sub> BURNER

Emission Source/Control: SCR3A - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR3B - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 64.2:**

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

Emission Unit: U-00003

Process: PC2

Source Classification Code: 2-01-009-01

Process Description:

EMISSION UNIT U00003 REPRESENTS TWO GE S207FA COMBUSTION TURBINES RATED AT 1,779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 D F OPERATING AT 50-100% LOAD. PROCESS PC2 FOR EMISSION UNIT U00003 REPRESENTS KEROSENE FIRING IN THE TURBINE. FOR THIS PROCESS, DRY LOW-NOX BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NOX EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED BY AN OXIDATION CATALYST. KEROSENE USE WILL BE LIMITED TO 21.8 MILLION GALLONS PER YEAR, WHICH IS EQUIVALENT TO 720 HOURS PER YEAR OF OPERATION. MAXIMUM TOTAL THROUGHPUT OF KEROSENE, ON AN HOURLY BASIS, REPRESENTS TURBINE OPERATIONS AT -5 D F AT FULL LOAD.

Emission Source/Control: CC03A - Combustion  
Design Capacity: 1,779 million Btu per hour

Emission Source/Control: CC03B - Combustion  
Design Capacity: 2,041 million Btu per hour

Emission Source/Control: CAT3A - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: CAT3B - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: DLN3A - Control



Control Type: DRY LOW NO<sub>x</sub> BURNER

Emission Source/Control: DLN3B - Control  
Control Type: DRY LOW NO<sub>x</sub> BURNER

Emission Source/Control: SCR3A - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR3B - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 64.3:**

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

Emission Unit: U-00003  
Process: PC3 Source Classification Code: 2-04-004-02  
Process Description:  
ONE DIESEL ENGINE (MANUFACTURER: DETROIT  
DIESEL): OPERATION IS LIMITED TO 200 HOURS  
OF OPERATION PER YEAR AND ONE HOUR OF  
TESTING PER WEEK.

Emission Source/Control: DE001 - Combustion

**Condition 65: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 65.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is



not utilized for measuring smoke emissions, shall be required to perform the following:

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

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

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

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2013.



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

**Condition 66: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.6**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Records for demonstration of compliance with the CO emission limit shall be maintained on site for five years.

These records shall include i) mass emissions totaled over each 24-hour daily period (the total of hourly averages 12:00 midnight to the following midnight), and ii) the total mass emissions over a 365 day period beginning with the start-up of the facility. Any exceedance of the allowable annual CO emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Manufacturer Name/Model Number: CISCO Model # 10006040

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 90.0 tons per year

Reference Test Method: PT60,APP A,METH 10

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 67: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.6**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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Facility DEC ID: 2630100084



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

**Item 67.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Records for demonstration of compliance with the VOC emission limit shall be maintained on site for five years. Any exceedance of the allowable annual VOC emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Parameter Monitored: VOC

Upper Permit Limit: 31.0 tons per year

Reference Test Method: PART 60, APP A

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 68: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement: 6 NYCRR 231-2.6**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Records for demonstration of compliance with the NOx emission limit shall be maintained on site for five years. These records shall include i) mass emissions totaled over each 24-hour daily period (the total of 3-hour block averages 12:00 midnight to the following midnight), and ii) the total mass emissions over a 365 day period beginning with the start-up of the facility. Any exceedance of the allowable annual NOx emission limitation must be reported in writing to the DEC Regional office

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within 10 working days of the exceedance.

Manufacturer Name/Model Number: CISCO Model # 10006040

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 165.0 tons per year

Reference Test Method: 40CFR 60,APP A,M 19

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 69: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.9**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Use of Emission Reduction Credit: NYPA will require offset amounts of 41 tons for VOC and 217 tons for NOx for the proposed project. NYPA has arranged to buy 41 tons of VOC offsets from "Minnesota Mining and Manufacturing Company (3M), Bristol Township, Bucks County, PA". For NOx, NYPA has arranged to buy 217 tons of offsets from "Wisvest-Connecticut, LLC, Bridgeport, CT". This would satisfy the ERCs offset requirements to go ahead with the proposed project.

The information concerning ERCs (Emission Reduction Credits) were noticed in NYSDEC's ENB on November 28, 2001 for the minimum 30 day public notice. Details are provided

at:

[http://ww](http://www.dec.state.ny.us/website/ohms/notices/nypasupplemental.htm)

[w.dec.sta](http://www.dec.state.ny.us/website/ohms/notices/nypasupplemental.htm)

[te.ny.us/website/ohms/notices/nypasupplemental.htm](http://www.dec.state.ny.us/website/ohms/notices/nypasupplemental.htm)

The comment period was extended till January 10, 2002 based on a request from Queens/CHOKE.

In view of the above, the requirements for 6 NYCRR 231-2.10 were satisfied. The donating sources must be in

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compliance with the enforceable conditions effecting the emissions reductions at least 10-30 working days before NYPA project commences operation.

If the situation changes , 60 day public notice period per 231-2 is applicable prior to operations, but that has to be done 60 days in advance so that the Department can revise the permit.

Monitoring Frequency: ANNUALLY  
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 70: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 70.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 70.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Records for demonstration of compliance with the PM-10 emission limit shall be maintained on site for five years.

Any exceedance of the allowable annual PM-10 emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Parameter Monitored: PM-10  
Upper Permit Limit: 169.0 tons per year  
Reference Test Method: 201A & 202  
Monitoring Frequency: DAILY  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 71: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**



**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Records for demonstration of compliance with the Ammonia slip limit shall be maintained on site for five years. These records shall include i) mass emissions totaled over each 24-hour daily period (the total of 3-hour block averages 12:00 midnight to the following midnight), and ii) the total mass emissions over a 365 day period beginning with the start-up of the facility. Any exceedance of the allowable annual NOx emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: AMMONIA

Upper Permit Limit: 129.0 tons per year

Reference Test Method: As proposed

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 72: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Records of fuel supply and sample analysis for the determination of sulfur and nitrogen content in fuel pertinent to regulations under 40 CFR 60.334(b), NSPS Subpart GG and the custom fuel monitoring schedule being proposed by NYPA and approved by EPA, for the stationary gas turbines shall be kept and retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 73: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1.3 PPM VOC EMISSION LIMIT DURING NATURALGAS FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLINACE WITH VOC EMISSION LIMIT BY STACK TESTING, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1.3 parts per million (by volume)

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**Condition 74: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2.5PPM (BY VOL, DRY, CORR TO 15% O<sub>2</sub>) CO  
EMISSION LIMIT DURING NATURAL GAS FIRING  
IN GAS TURBINE BASED UPON HHV OF FUEL.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO MONITOR CO EMISSION  
AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 2.5 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: PT60,APP A,METH 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 4/30/2013.

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

**Condition 75: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

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**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2.0 PPM (BY VOL, DRY, CORR TO 15% O2) NOX  
EMISSION LIMIT DURING NATURAL GAS FIRING  
IN GAS TURBINE BASED UPON HHV OF FUEL.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO MONITOR NOX EMISSION  
AT THE STACK.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

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

Reference Test Method: 40CFR PT60, APP A, M19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 76: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement: 6 NYCRR 231-2.5 (a)**

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

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

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

0.0074 LB/MMBTU NOX EMISSION LIMIT  
DURING NATURAL GAS FIRING IN GAS TURBINE  
BASED UPON HHV OF FUEL. EMISSION LIMIT  
APPLIES AT ALL LOADS. NYPA WILL USE CEM  
TO MONITOR NOX EMISSION AT THE STACK.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

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Upper Permit Limit: 0.0074 pounds per million Btus  
Reference Test Method: 40CFR PT60,APP A,M19  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR BLOCK AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 77: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

0.0056 POUNDS PER MILLION BTUs CO  
EMISSION LIMIT DURING NATURAL GAS FIRING  
IN GAS TURBINE BASED UPON HHV OF FUEL.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO MONITOR CO EMISSION  
AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0056 pounds per million Btus

Reference Test Method: PT60,APP A,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 4/30/2013.

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

**Condition 78: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 78.1:**



The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0017 LB/MMBTU VOC EMISSION LIMIT  
DURING NATURAL GAS FIRING IN GAS TURBINE  
BASED UPON HHV OF FUEL. THIS LIMIT  
APPLIES AT ALL LOADS. NYPA WILL SHOW  
COMPLIANCE WITH VOC EMISSION LIMIT BY  
STACK TESTING, WHICH WILL BE DONE ONCE  
PER PERMIT TERM. REPORTING REQUIREMENTS  
WILL BE 30 DAYS AFTER THE TEST IS  
COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0017 pounds per million Btus

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 79: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0150 LB/MMBTU PARTICULATE MATTER  
EMISSION LIMIT DURING NATURAL GAS FIRING

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



IN GAS TURBINE BASED UPON HIGHER HTNG  
VALUE (HHV) OF FUEL. EMISSION LIMIT  
APPLIES AT ALL LOADS. NYPA WILL SHOW  
COMPL BY STACK TEST, WHICH WILL BE DONE  
ONCE PER PERMIT TERM. REPORTING  
REQUIREMENTS WILL BE 30 DAYS AFTER THE  
TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0150 pounds per million Btus

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.002 LB/MMBTU SULFUR ACID MIST EMISSION  
LIMIT DURING NATURAL GAS FIRING IN GAS  
TURBINE BASED UPON HIGHER HTNG VALUE  
(HHV) OF FUEL. EMISSION LIMIT APPLIES AT  
ALL LOADS. NYPA WILL SHOW COMPL BY STACK  
TEST, WHICH WILL BE DONE ONCE PER PERMIT  
TERM. REPORTING REQUIREMENTS WILL BE 30  
DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.002 pounds per million Btus

Reference Test Method: PT 60, APP A, M 8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**Condition 81: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

**Item 81.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

**Item 81.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:  
NYPA WILL BURN NATURAL GAS AS A PRIMARY  
FUEL IN THE COMBUSTION TURBINE. THE  
UPPER LIMIT FOR THE NATURAL GAS USAGE  
GIVEN HERE IS PER TURBINE.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: NATURAL GAS  
Upper Permit Limit: 1,868,000 cubic feet per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 82: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

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

Emission Unit: U-00003  
Process: PC1

**Item 82.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:  
NYPA WILL BURN NATURAL GAS AS A PRIMARY  
FUEL IN THE COMBUSTION TURBINE. THE

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



UPPER LIMIT FOR THE NATURAL GAS USAGE  
GIVEN HERE IS PER TURBINE.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: NATURAL GAS  
Upper Permit Limit: 16,364 million cubic feet per year  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 83: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1

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

**Item 83.2:**

Compliance Certification shall include the following monitoring:

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

5.0 PPM AMMONIA EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO SHOW COMPLIANCE.

Manufacturer Name/Model Number: Rosemount Model 951  
Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 5.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: As proposed  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR BLOCK AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 84: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**



**Applicable Federal Requirement:6 NYCRR 201-6.1**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYPA IS PROPOSING A FUEL SULFUR LIMIT OF 0.04 PERCENT BY WEIGHT TO BE TESTED EACH TIME A TANK IS FILLED.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Reference Test Method: ASTM METH D4294

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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 4/30/2013.

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

**Condition 85: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 85.2:**

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.0 PPM VOC EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLIANCE BY STACK TESTING, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 3.0 parts per million (by volume)

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 86: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0041 LB/MMBTU VOC EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLIANCE BY STACK TESTING, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0041 pounds per million Btus

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 87: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 87.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

COMPLIANCE WITH THE NOX RACT AND LAER  
EMISSION LIMIT WILL BE DEMONSTRATED  
PURSUANT TO 40 CFR 60 APPEND A, METH 19  
AND 6 NYCRR 227-2.6 (b).

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0400 pounds per million Btus

Reference Test Method: 40CFR 60,APP A,M 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 88: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 88.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

COMPLIANCE WITH THE NOX RACT AND LAER  
EMISSION LIMIT WILL BE DEMONSTRATED  
PURSUANT TO 40 CFR 60 APPEND A, METH 19  
AND 6 NYCRR 227-2.6 (b).

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 10 parts per million by volume (dry,  
corrected to 15% O<sub>2</sub>)

Reference Test Method: 40CFR 60,APP A,M 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 89: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5.0 PPM (BY VOL, DRY, CORR TO 15% O<sub>2</sub>) CO  
EMISSION LIMIT DURING KEROSENE FIRING IN  
GAS TURBINE BASED UPON HHV OF FUEL.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO MONITOR CO EMISSION  
AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 5.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Reference Test Method: As Proposed  
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 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 90: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

0.0121POUNDS PER MILLION BTU CO EMISSION  
LIMIT DURING KEROSENE FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. EMISSION  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
USE CEM TO MONITOR CO EMISSION AT THE  
STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0121 pounds per million Btus

Reference Test Method: PT 60,APP A,M 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 4/30/2013.

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

**Condition 91: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 91.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Emission Unit: U-00003  
Process: PC2

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

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYP&A WILL BURN NATURAL GAS AS THE PRIMARY FUEL WITH UP TO 720 HOURS OF KEROSENE FUEL OIL AS A BACK UP. THE SULFUR CONTENT OF KEROSENE FUEL OIL WILL NOT EXCEED 0.04% BY WEIGHT. NYP&A WILL SHOW COMPL BY TESTING THE FUEL EACH TIME IT IS TRANSFERRED TO THE STORAGE TANK.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Reference Test Method: ASTM METH D4294

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 4/30/2013.

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

**Condition 92: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Description:

0.0470 LB/MMBTU PARTICULATE MATTER(<10 MICRONS) EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLIANCE BY STACK TEST, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0470 pounds per million Btus

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 93: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0470 LB/MMBTU PARTICULATE MATTER EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLIANCE BY STACK TESTING, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0470 pounds per million Btus

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 94: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0120 LB/MMBTU SULFUR ACID MIST  
EMISSION LIMIT DURING KEROSENE FIRING IN  
GAS TURBINE BASED UPON HHV OF FUEL. THIS  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPLIANCE BY STACK TESTING, WHICH  
WILL BE DONE ONCE PER PERMIT TERM.  
REPORTING REQUIREMENTS WILL BE 30 DAYS  
AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0120 pounds per million Btus

Reference Test Method: PT 60, APP A, M 8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 95: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

**Item 95.2:**

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ALTERNATE FUEL USAGE (KEROSENE) IN THE COMBUSTION TURBINE IS LIMITED TO 21.8 MILLION GALLONS PER YEAR.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Upper Permit Limit: 21.8 million gallons

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 96: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

10.0 PPM AMMONIA EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL USE CEM TO SHOW COMPLIANCE

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

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

Reference Test Method: 206

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.



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

**Condition 97: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:40CFR 60.333(b), NSPS Subpart GG**

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC2

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

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

NYPA WILL COMPLY WITH A FUEL SULFUR  
CONTENT LIMIT OF 0.04% BY WEIGHT.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Reference Test Method: ASTM METH D4294

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 4/30/2013.

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

**Condition 98: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC3

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

**Condition 99: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.6**

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC3

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operation of Diesel Engine is limited to 200 hours per year and one hour of testing per week. Facility will maintain records on site for five years.

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Frequency: WEEKLY  
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 100: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003A  
Process: PC1                                      Emission Source: CC03A

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

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.2 LB/HR VOC EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE BASED  
UPON HHV OF FUEL. THIS LIMIT APPLIES AT  
ALL LOADS. NYPA WILL SHOW COMPLIANCE BY  
STACK TESTING, WHICH WILL BE DONE ONCE  
PER PERMIT TERM. REPORTING REQUIREMENTS  
WILL BE 30 DAYS AFTER THE TEST IS  
COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 3.2 pounds per hour

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 101: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003A  
Process: PC1                                      Emission Source: CC03A

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

**Item 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

14.3 LB/HR. NOX E EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE BASED  
UPON HHV OF FUEL. EMISSION LIMIT APPLIES  
AT ALL LOADS. NYPA WILL USE CEM TO  
MONITOR NOX EMISSION AT THE STACK.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 14.3 pounds per hour

Reference Test Method: 40CFR PT60,APP A,M19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 102: Compliance Certification**

**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003A

Process: PC1

Emission Source: CC03A

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

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

10.9 POUNDS PER HOUR CO EMISSION LIMIT  
DURING NATURAL GAS FIRING IN GAS TURBINE  
BASED UPON HHV OF FUEL. EMISSION LIMIT  
APPLIES AT ALL LOADS. NYPA WILL USE CEM  
TO MONITOR CO EMISSION AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6



Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 10.9 pounds per hour  
Reference Test Method: PT60,APP A,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 4/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 103: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003A  
Process: PC1                                      Emission Source: CC03A

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

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.0 LB/HR SULFUR ACID MIST EMISSION  
LIMIT DURING NATURAL GAS FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. EMISSION  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPL BY STACK TEST, WHICH WILL BE  
DONE ONCE PER PERMIT TERM. REPORTING  
REQUIREMENTS WILL BE 30 DAYS AFTER THE  
TEST IS COMPLETED.

Upper Permit Limit: 3.0 pounds per hour  
Reference Test Method: PT 60, App A, Meth 8A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 104: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 104.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation  
Permit ID: 2-6301-00084/00015 Facility DEC ID: 2630100084



Emission Unit: U-00003 Emission Point: 0003A  
Process: PC1 Emission Source: CC03A

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

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

15 LB/HR PARTICULATE MATTER EMISSION  
LIMIT DURING NATURAL GAS FIRING IN GAS  
TURBINE BASED UPON HIGHER HTNG VALUE  
(HHV) OF FUEL. EMISSION LIMIT APPLIES AT  
ALL LOADS. NYPA WILL SHOW COMPL BY STACK  
TEST, WHICH WILL BE DONE ONCE PER PERMIT  
TERM. REPORTING REQUIREMENTS WILL BE 30  
DAYS AFTER THE TEST IS COMPLETED.

Upper Permit Limit: 15 pounds per hour

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 105: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 105.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003A  
Process: PC1 Emission Source: CC03A

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

**Item 105.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

13.3 LB/HR AMMONIA EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO SHOW COMPLIANCE.

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Manufacturer Name/Model Number: Rosemount Model 951

Upper Permit Limit: 13.3 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 106: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003A

Process: PC2

Emission Source: CC03A

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 106.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

8.4 LB/HR. VOC EMISSION LIMIT DURING  
KEROSENE FIRING IN GAS TURBINE BASED UPON  
HHV OF FUEL. THIS LIMIT APPLIES AT ALL  
LOADS. NYPA WILL SHOW COMPLIANCE BY  
STACK TESTING, WHICH WILL BE DONE ONCE  
PER PERMIT TERM. REPORTING REQUIREMENTS  
WILL BE 30 DAYS AFTER THE TEST IS  
COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 8.4 pounds per hour

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 107: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 107.1:**



The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003A  
Process: PC2 Emission Source: CC03A

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

**Item 107.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

COMPLIANCE WITH THE NOX RACT AND LAER  
EMISSION LIMIT WILL BE DEMONSTRATED  
PURSUANT TO 40 CFR 60 APPEND A, METH 19  
AND 6 NYCRR 227-2.6 (b).

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 80.9 pounds per hour

Reference Test Method: 40CFR 60,APP A,M 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 108: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003A  
Process: PC2 Emission Source: CC03A

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

**Item 108.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

24.6 LB/HR. CO EMISSION LIMIT DURING  
KEROSENE FIRING IN GAS TURBINE BASED UPON  
HHV OF FUEL. EMISSION LIMIT APPLIES AT  
ALL LOADS. NYPA WILL USE CEM TO MONITOR

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



CO EMISSION AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 24.6 pounds per hour

Reference Test Method: PART60,APP A,M 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 4/30/2013.

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

**Condition 109: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003A

Process: PC2

Emission Source: CC03A

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 109.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

67.0 LB/HR. PARTICULATE MATTER EMISSION  
LIMIT DURING KEROSENE FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. THIS  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPLIANCE BY STACK TESTING, WHICH  
WILL BE DONE ONCE PER PERMIT TERM.  
REPORTING REQUIREMENTS WILL BE 30 DAYS  
AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 67 pounds per hour

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 110: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**



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

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003A  
Process: PC2                                      Emission Source: CC03A

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

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

23.2 LB/HR. SULFUR ACID MIST EMISSION  
LIMIT DURING KEROSENE FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. THIS  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPLIANCE BY STACK TESTING, WHICH  
WILL BE DONE ONCE PER PERMIT TERM.  
REPORTING REQUIREMENTS WILL BE 30 DAYS  
AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 23.2 pounds per hour

Reference Test Method: PT 60, APP A, M 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 111: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003A  
Process: PC2                                      Emission Source: CC03A

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

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



29.9 LB/HR. AMMONIA EMISSION LIMIT  
DURING KEROSENE FIRING IN GAS TURBINE.  
NYPA WILL USE CEM TO SHOW COMPLIANCE

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 29.9 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 112: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC1

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 112.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.2 LB/HR VOC EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE BASED  
UPON HHV OF FUEL. THIS LIMIT APPLIES AT  
ALL LOADS. NYPA WILL SHOW COMPLIANCE BY  
STACK TESTING, WHICH WILL BE DONE ONCE  
PER PERMIT TERM. REPORTING REQUIREMENTS  
WILL BE 30 DAYS AFTER THE TEST IS  
COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 3.2 pounds per hour

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 113: Compliance Certification**



Effective between the dates of 03/28/2013 and 03/27/2018

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

**Item 113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003B  
Process: PC1                                      Emission Source: CC03B

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

**Item 113.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

14.3 LB/HR. NOX EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE BASED  
UPON HHV OF FUEL. EMISSION LIMIT APPLIES  
AT ALL LOADS. NYPA WILL USE CEM TO  
MONITOR NOX EMISSION AT THE STACK.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 14.3 pounds per hour

Reference Test Method: 40CFR PT60,APP A,M19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 114: Compliance Certification**

Effective between the dates of 03/28/2013 and 03/27/2018

Applicable Federal Requirement:6 NYCRR 231-2.5 (a)

**Item 114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: 0003B  
Process: PC1                                      Emission Source: CC03B

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

**Item 114.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

10.9 POUND PER HOUR CO EMISSION LIMIT  
DURING NATURAL GAS FIRING IN GAS TURBINE  
BASED UPON HHV OF FUEL. EMISSION LIMIT  
APPLIES AT ALL LOADS. NYPA WILL USE CEM  
TO MONITOR CO EMISSION AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 10.9 pounds per hour

Reference Test Method: PT60,APP A,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 4/30/2013.

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

**Condition 115: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 115.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC1

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

**Item 115.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3.0 LB/HR SULFUR ACID MIST EMISSION  
LIMIT DURING NATURAL GAS FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. EMISSION  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPL BY STACK TEST, WHICH WILL BE  
DONE ONCE PER PERMIT TERM. REPORTING  
REQUIREMENTS WILL BE 30 DAYS AFTER THE  
TEST IS COMPLETED.

Upper Permit Limit: 3.0 pounds per hour

Reference Test Method: PT 60, App A, Meth 8A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 116: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

**Item 116.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003B  
Process: PC1 Emission Source: CC03B

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

**Item 116.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

15 LB/HR PARTICULATE MATTER EMISSION  
LIMIT DURING NATURAL GAS FIRING IN GAS  
TURBINE BASED UPON HIGHER HTNG VALUE  
(HHV) OF FUEL. EMISSION LIMIT APPLIES AT  
ALL LOADS. NYPA WILL SHOW COMPL BY STACK  
TEST, WHICH WILL BE DONE ONCE PER PERMIT  
TERM. REPORTING REQUIREMENTS WILL BE 30  
DAYS AFTER THE TEST IS COMPLETED.

Upper Permit Limit: 15 pounds per hour

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 117: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

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

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003B  
Process: PC1 Emission Source: CC03B

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

**Item 117.2:**

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

13.3 LB/HR AMMONIA EMISSION LIMIT DURING  
NATURAL GAS FIRING IN GAS TURBINE.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO SHOW COMPLIANCE.

Manufacturer Name/Model Number: Rosemount Model 951

Upper Permit Limit: 13.3 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 118: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC2

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 118.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

8.4 LB/HR. VOC EMISSION LIMIT DURING  
KEROSENE FIRING IN GAS TURBINE BASED UPON  
HHV OF FUEL. THIS LIMIT APPLIES AT ALL  
LOADS. NYPA WILL SHOW COMPLIANCE BY  
STACK TESTING, WHICH WILL BE DONE ONCE  
PER PERMIT TERM. REPORTING REQUIREMENTS  
WILL BE 30 DAYS AFTER THE TEST IS  
COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 8.4 pounds per hour

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 119: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003B  
Process: PC2 Emission Source: CC03B

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

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

COMPLIANCE WITH THE NOX RACT AND LAER  
EMISSION LIMIT WILL BE DEMONSTRATED  
PURSUANT TO 40 CFR 60 APPEND A, METH 19  
AND 6 NYCRR 227-2.6 (b).

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 80.9 pounds per hour

Reference Test Method: 40CFR 60,APP A,M 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 120: Compliance Certification**  
Effective between the dates of 03/28/2013 and 03/27/2018

**Applicable Federal Requirement:6 NYCRR 231-2.5 (a)**

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 0003B  
Process: PC2 Emission Source: CC03B

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



**Item 120.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

24.6 LB/HR. CO EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. EMISSION LIMIT APPLIES AT ALL LOADS. NYPA WILL USE CEM TO MONITOR CO EMISSION AT THE STACK.

Manufacturer Name/Model Number: Siemens Ultramat 6

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 24.6 pounds per hour

Reference Test Method: PART60,APP A,M 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 4/30/2013.

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

**Condition 121: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC2

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

67.0 LB/HR. PARTICULATE MATTER EMISSION LIMIT DURING KEROSENE FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS. NYPA WILL SHOW COMPLIANCE BY STACK TESTING, WHICH WILL BE DONE ONCE PER PERMIT TERM. REPORTING REQUIREMENTS WILL BE 30 DAYS AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 67 pounds per hour

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 122: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC2

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 007664-93-9      SULFURIC ACID

**Item 122.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

23.2 LB/HR. SULFUR ACID MIST EMISSION  
LIMIT DURING KEROSENE FIRING IN GAS  
TURBINE BASED UPON HHV OF FUEL. THIS  
LIMIT APPLIES AT ALL LOADS. NYPA WILL  
SHOW COMPLIANCE BY STACK TESTING, WHICH  
WILL BE DONE ONCE PER PERMIT TERM.  
REPORTING REQUIREMENTS WILL BE 30 DAYS  
AFTER THE TEST IS COMPLETED.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 23.2 pounds per hour

Reference Test Method: PT 60, APP A, M 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 123: Compliance Certification**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

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

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC2

Emission Source: CC03B

**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Regulated Contaminant(s):

CAS No: 007664-41-7      AMMONIA

**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

29.9 LB/HR. AMMONIA EMISSION LIMIT  
DURING KEROSENE FIRING IN GAS TURBINE.  
NYPA WILL USE CEM TO SHOW COMPLIANCE.

Manufacturer Name/Model Number: Rosemount Model 951

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 29.9 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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



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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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

**Condition 124: Contaminant List**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable State Requirement:ECL 19-0301**

**Item 124.1:**  
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

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

**Condition 125: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 125.1:**

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

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

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



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

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

**Condition 126: Visible Emissions Limited**  
**Effective between the dates of 03/28/2013 and 03/27/2018**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 126.1:**

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.

