





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

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 NOx burners and Selective Catalytic Reduction (SCR) to control NOx 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 NOx 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 NOx, CO and Volatile Organic Compounds (VOC's).

NYPAs existing plant at the Charles Poletti site in Astoria, Queens is an existing major stationary source. A separate Title V operating permit (ID # 2-6301-00084/00010) was issued on November 29, 2001 to NYPAs existing Poletti plant, which covers boiler # 6. 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 NO<sub>x</sub> RACT requirements for combined cycle combustion turbines when firing oil and gas in 6NYCRR 227-2.4(e)(2)(ii).



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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	
	lb/mmbtu	lb/hr	ppm	lb/btumm		ppm	Cycle Annual Limit (tpy)
VOCs	0.0017		3.2	1.3	0.0041	8.4	3.0 31.0
NO <sub>x</sub>	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, 40CFR Part 75, 40 CFR Part 77 and 40 CFR Part 78); and NO<sub>x</sub> Budget Rules (6 NYCRR Part 227-3 and 6 NYCRR Part 204). This facility is a mandatory participant in the NO<sub>x</sub> budget program. The facility has installed a Continuous Emission Monitoring (CEM) system for NO<sub>x</sub> 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.



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Stack continuous emissions monitoring (CEM) equipment for NO<sub>x</sub>, 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 NO<sub>x</sub>, 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, NO<sub>x</sub> 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 NO<sub>x</sub> 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 NO<sub>x</sub>, 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 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 two diesel engines 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.

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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  
   DIVISION OF ENVIRONMENTAL PERMITS  
   ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
   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 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 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: 6NYCRR 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:**



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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: 6NYCRR 621.13**

**Item 4.1:**

The Department reserves the right 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: 6NYCRR 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



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**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:

Permit Expiration Date:



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 6NYCRR 211.3: Compliance Certification
- 22 6NYCRR 211.3: Compliance Certification
- 23 40CFR 68: Accidental release provisions.
- 24 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 25 6NYCRR 201-6: Steady state and fuel switching emission limit applicability.
- 26 6NYCRR 201-6: Emission Unit Definition
- 27 6NYCRR 201-6: Compliance Certification
- 28 6NYCRR 202-1.5: Prohibitions
- 29 6NYCRR 204-1.6: Permit requirements (To be included only in new permits or units).
- 30 6NYCRR 204-2.1: Submissions to the Department.
- 31 6NYCRR 204-4.1: Compliance Certification
- 32 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 33 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 34 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 35 6NYCRR 204-8.2: Compliance Certification
- 36 6NYCRR 204-8.3: Out of control periods.



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- 37 6NYCRR 204-8.4: Compliance Certification
- 38 6NYCRR 204-8.7: Compliance Certification
- 39 6NYCRR 207: Submittal of Episode Action Plans
- 40 6NYCRR 225-1.2(d): Compliance Certification
- 41 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 42 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -  
If a COM is not used.
- 43 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -  
if a COM is used
- 44 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 45 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 46 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 47 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 48 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 49 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 50 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 51 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 52 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 53 40CFR 60.9, NSPS Subpart A: Availability of information.
- 54 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 55 40CFR 60.12, NSPS Subpart A: Circumvention.
- 56 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 57 40CFR 60.14, NSPS Subpart A: Modifications.
- 58 40CFR 60.15, NSPS Subpart A: Reconstruction
- 59 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and  
Permitting

**Emission Unit Level**

- 60 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 61 6NYCRR 201-6: Process Definition By Emission Unit

**EU=U-00003**

- 62 6NYCRR 227-1.3(a): Compliance Certification
- 63 6NYCRR 231-2.6: Compliance Certification
- 64 6NYCRR 231-2.6: Compliance Certification
- 65 6NYCRR 231-2.6: Compliance Certification
- 66 6NYCRR 231-2.9: Compliance Certification
- 67 40CFR 52.21, Subpart A: Compliance Certification
- 68 40CFR 52.21, Subpart A: Compliance Certification
- 69 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification

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

- 70 6NYCRR 227-2.4(e)(2)(i): Compliance Certification
- 71 6NYCRR 231-2.5(a): Compliance Certification
- 72 6NYCRR 231-2.5(a): Compliance Certification
- 73 6NYCRR 231-2.5(a): Compliance Certification
- 74 6NYCRR 231-2.5(a): Compliance Certification
- 75 6NYCRR 231-2.5(a): Compliance Certification



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- 76 6NYCRR 231-2.5(a): Compliance Certification
- 77 40CFR 52.21(j), Subpart A: Compliance Certification
- 78 40CFR 52.21(j), Subpart 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

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

- 82 6NYCRR 201-6.1: Compliance Certification
- 83 6NYCRR 227-2.4(e)(2)(ii): Compliance Certification
- 84 6NYCRR 231-2.5(a): Compliance Certification
- 85 6NYCRR 231-2.5(a): Compliance Certification
- 86 6NYCRR 231-2.5(a): Compliance Certification
- 87 6NYCRR 231-2.5(a): Compliance Certification
- 88 6NYCRR 231-2.5(a): Compliance Certification
- 89 6NYCRR 231-2.5(a): Compliance Certification
- 90 40CFR 52.21(j), Subpart 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 60.333(b), NSPS Subpart GG: Compliance Certification

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

- 97 6NYCRR 227.2(b)(1): Compliance Certification

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

- 98 6NYCRR 231-2.5(a): Compliance Certification
- 99 6NYCRR 231-2.5(a): Compliance Certification
- 100 6NYCRR 231-2.5(a): Compliance Certification
- 101 40CFR 52.21(j), Subpart A: Compliance Certification
- 102 40CFR 52.21(j), Subpart A: Compliance Certification
- 103 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 104 6NYCRR 231-2.5(a): Compliance Certification
- 105 6NYCRR 231-2.5(a): Compliance Certification
- 106 6NYCRR 231-2.5(a): Compliance Certification
- 107 40CFR 52.21(j), Subpart A: Compliance Certification
- 108 40CFR 52.21(j), Subpart A: Compliance Certification
- 109 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 110 6NYCRR 231-2.5(a): Compliance Certification
- 111 6NYCRR 231-2.5(a): Compliance Certification
- 112 6NYCRR 231-2.5(a): Compliance Certification



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- 113 40CFR 52.21(j), Subpart A: Compliance Certification
- 114 40CFR 52.21(j), Subpart A: Compliance Certification
- 115 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 116 6NYCRR 231-2.5(a): Compliance Certification
- 117 6NYCRR 231-2.5(a): Compliance Certification
- 118 6NYCRR 231-2.5(a): Compliance Certification
- 119 40CFR 52.21(j), Subpart A: Compliance Certification
- 120 40CFR 52.21(j), Subpart A: Compliance Certification
- 121 40CFR 52.21(j), Subpart A: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 122 ECL 19-0301: Contaminant List
- 123 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 124 6NYCRR 211.2: Air pollution prohibited



**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 - 6NYCRR Part 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 - 6NYCRR Part 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



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR 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 Part 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 Part 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 Part 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 Part 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 - 6NYCRR Part 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

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order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR Part 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 Part 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 Part 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

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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 Part 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



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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 for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective for entire length of Permit**

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

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

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

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.



(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

If any of the above conditions are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) through (4) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

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

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

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
  - and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
  
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
  
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
  
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch



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290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

Hunters Point Plaza  
47-40 21st Street  
Long Island City, NY 11101-5407

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 7.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Emission statements shall be submitted on or before April  
15th each year for emissions of the previous calendar  
year.

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

**Condition 8: Recordkeeping requirements**  
**Effective for entire length of Permit**



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

**Item 8.1:**

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

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

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

**Condition 9:      Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

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

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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

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



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

**Item 11.1:**

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

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

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

**Item 12.1:**

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

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

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

**Item 13.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

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

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

**Condition 15: Standard Requirement - Provide Information  
Effective for entire length of Permit**

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**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)**

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)**

**Item 16.1:**

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

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

**Condition 17: Standard Requirements - Progress Reports  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 17.1:**

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



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(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 18: Off Permit Changes**  
**Effective for entire length of Permit**

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

**Item 18.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 19: Required Emissions Tests**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 20.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning



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permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 21: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 21.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 21.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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

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

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

- 3) If the operator observes any visible emissions (other



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

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the 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: 57 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 22: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 22.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 22.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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

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

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

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

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



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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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 23: Accidental release provisions.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 68**

**Item 23.1:**

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 24: Recycling and Emissions Reduction  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 24.1:**

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 25: Steady state and fuel switching emission limit applicability.**  
**Effective for entire length of Permit**

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

**Item 25.1:** 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 26: Emission Unit Definition**  
**Effective for entire length of Permit**

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

**Item 26.1:**

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

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

**Item 27.1:**



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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:

The owner or operator shall, within one year following the commencement of commercial operation, submit start-up, shutdown, and fuel switching data with an application for permit modification to establish enforceable combustion turbine start-up, shutdown, and fuel switching emission rates for NO<sub>x</sub>, CO, and NH<sub>3</sub>, and confirm that such established rates would not result in a violation of applicable NAAQS. In the event that a minimum of 15 start-ups and 15 shutdowns, while firing distillate oil, does not occur within the one year period defined above, the owner or operator will be required to submit start-up and shutdown data with an application for permit modification once the 15 start-ups and shutdowns when firing distillate oil occur. Also, if a minimum of 15 fuel switches do not occur within the one year period defined above, the owner or operator will be required to submit fuel switching data with an application for permit modification once the 15 fuel switches occur.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 28: Prohibitions**  
**Effective for entire length of Permit**

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

**Item 28.1:**

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 29: Permit requirements (To be included only in new permits or units).**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-1.6**

**Item 29.1:** The NO<sub>x</sub> authorized account representative of each NO<sub>x</sub> budget unit shall submit to the

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Department a complete NOx Budget permit application (as defined under Section 204-3.3) no later than 12 months before the date on which the NOx Budget unit commences operation.

**Condition 30: Submissions to the Department.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-2.1**

**Item 30.1:** Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.4(a)(4)) by the NOx authorized account representative.

**Condition 31: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-4.1**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NOx Budget units at a source are subject to the NOx Budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the Administrator by November 30 of that year, a compliance certification report for each source covering all such units.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Submission of NOx allowance transfers.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-7.1**

**Item 32.1:** The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the Administrator:

- (a) The numbers identifying both the transferor and transferee accounts;
- (b) A specification by serial number of each NOx allowance to be transferred; and



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(c) The printed name and signature of the NOx authorized account representative of the transferor account and the date signed.

**Condition 33: Requirements for installation, certification, and data accounting.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.1**

**Item 33.1:** The owner or operator of each NOx Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NOx Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

- (1) Install all monitoring systems required under this Subpart for monitoring NOx mass. This includes all systems required to monitor NOx emission rate, NOx concentration, heat input, and flow, in accordance with 40 CFR 75.71 and 75.72.
- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NOx allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

**Condition 34: Requirements for recertification of monitoring systems.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.2**

**Item 34.1:** Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NOx mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 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 the Administrator or the Department determines to significantly change the flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

**Condition 35: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.2**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

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**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a NOx Budget unit under paragraphs (b)(2) or (b)(3) of this section must determine, record and report NOx mass, heat input (if required for purposes of allocations) and any other values required to determine NOx Mass (e.g. NOx emission rate and heat input or NOx concentration and stack flow) using the provisions of 40 CFR 75.70(g), from the date and hour that the unit starts operating until all required certification tests are successfully completed.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Out of control periods.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.3**

**Item 36.1:** Whenever any monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

**Condition 37: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.4**

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NOx Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

All monitoring plans or monitoring plan modifications;  
compliance certifications, recertifications and quarterly

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QA/QC reports; and, petitions for alternative monitoring, shall be submitted to the USEPA Administrator (or his/her representatives) as well as two copies to the Department (one copy to the Regional Air Pollution Control Engineer (RAPCES) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office. All Authorized Account Representative changes shall be sent to the NYSDEC central office.

All quarterly emission data shall be electronically filed with the USEPA Clean Air Markets Division with a copy (disc or hard copy) to the NYSDEC offices.

The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division  
401 M Street SW (6204J)  
Washington D.C. 20460

CEM Coordinator  
USEPA-Region 2  
2890 Woodbridge Avenue  
Edison, N.J. 08837

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring and Enforcement  
625 Broadway, 2nd Floor  
Albany N.Y. 12233-3258

AAR changes should be sent to the attention of:

NYSDEC  
Stationary Source Planning Section  
Bureau of Air Quality Planning  
625 Broadway, 2nd Floor  
Albany NY 12233-3251

The address for the RAPCE is as follows:

Hunters Point Plaza  
47-20 21st Street  
Long Island City, NY 11101-5407



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 38: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 204-8.7**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a unit that elects to monitor and report NO<sub>x</sub> Mass emissions using a NO<sub>x</sub> concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.

Monitoring Frequency: HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 39: Submittal of Episode Action Plans**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 207**

**Item 39.1:**

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 when an air pollution episode is in effect.

**Condition 40: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.



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Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 40.2:**

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 TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 41: EPA Region 2 address.  
Effective for entire length of Permit**

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

**Item 41.1:**

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



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

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

**Condition 42: Date of construction notification - If a COM is not used.  
Effective for entire length of Permit**

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

**Item 42.1:**

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

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 43: Date of Construction Notification - if a COM is used  
Effective for entire length of Permit**

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

**Item 43.1:**

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



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

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

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

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

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date, 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 44: Recordkeeping requirements.  
Effective for entire length of Permit**

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

**Item 44.1:**

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 45: Excess emissions report.  
Effective for entire length of Permit**

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

**Item 45.1:**

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 46: Facility files for subject sources.  
Effective for entire length of Permit**



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

**Item 46.1:**

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 47: Performance testing timeline.**  
**Effective for entire length of Permit**

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

**Item 47.1:**

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

**Condition 48: Performance test methods.**  
**Effective for entire length of Permit**

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

**Item 48.1:**

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 49: Required performance test information.**  
**Effective for entire length of Permit**

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

**Item 49.1:**

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 50: Prior notice.**  
**Effective for entire length of Permit**

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

**Item 50.1:**

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



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**Condition 51: Performance testing facilities.  
Effective for entire length of Permit**

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

**Item 51.1:**

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 52: Number of required tests.  
Effective for entire length of Permit**

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

**Item 52.1:**

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 53: Availability of information.  
Effective for entire length of Permit**

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

**Item 53.1:**

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 54: Opacity standard compliance testing.  
Effective for entire length of Permit**

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

**Item 54.1:**

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);

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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 55: Circumvention.**  
**Effective for entire length of Permit**

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

**Item 55.1:**

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 56: Monitoring requirements.**  
**Effective for entire length of Permit**

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

**Item 56.1:**

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

**Condition 57: Modifications.**  
**Effective for entire length of Permit**

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

**Item 57.1:**

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

**Condition 58: Reconstruction**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A**

**Item 58.1:**

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

1) a notice of intent to reconstruct 60 days prior to the action;

2) name and address of the owner or operator;



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- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 59: Facility Subject to Title IV Acid Rain Regulations and Permitting**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 72**

**Item 59.1:** This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

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

**Condition 60: Emission Point Definition By Emission Unit**  
**Effective for entire length of Permit**

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

**Item 60.1:**

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

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 61: Process Definition By Emission Unit**

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**Effective for entire length of Permit**

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

**Item 61.1:**

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 EMISSION 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

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

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

**Item 61.2:**

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



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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 61.3:**

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:

TWO DIESEL ENGINES (MANUFACTURER: GE):  
OPERATION IS LIMITED TO 200 HOURS OF  
OPERATION PER YEAR AND ONE HOUR OF TESTING  
PER WEEK.

Emission Source/Control: DE001 - Combustion

Emission Source/Control: DE002 - Combustion

**Condition 62: Compliance Certification  
Effective for entire length of Permit**

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

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 62.2:**

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



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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.



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

**Condition 63: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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)



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

**Condition 64: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

**Item 64.2:**

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

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

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

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003



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Regulated Contaminant(s):

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

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Records for demonstration of compliance with the NO<sub>x</sub> 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 NO<sub>x</sub> 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: 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.

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

**Condition 66: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

**Item 66.2:**

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 NO<sub>x</sub> for the proposed project. NYPA has arranged to buy 41 tons of



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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 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.

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

**Condition 67: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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



**Item 67.2:**

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.

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

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

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

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 007664-41-7      AMMONIA

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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 NO<sub>x</sub> emission limitation



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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: 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.

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

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

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

**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:

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.

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

**Condition 70: Compliance Certification**  
**Effective for entire length of Permit**

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**Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(i)**

**Item 70.1:**

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 70.2:**

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: CISCO Model # 10006040

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 2.0 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.

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

**Condition 71: Compliance Certification  
Effective for entire length of Permit**

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

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 71.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1.3 PPM 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: 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 72: Compliance Certification  
Effective for entire length of Permit**

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

**Item 72.1:**

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 72.2:**

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.



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Manufacturer Name/Model Number: CISCO Model # 10006040  
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.  
Subsequent reports are due every 3 calendar month(s).

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

**Applicable Federal Requirement: 6NYCRR 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: 0NY210-00-0 OXIDES OF NITROGEN

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
2.0 PPM (BY VOL, DRY, CORR TO 15%O<sub>2</sub>) 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: CISCO Model # 10006040  
Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 2.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
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.  
Subsequent reports are due every 3 calendar month(s).



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

**Applicable Federal Requirement: 6NYCRR 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: 0NY210-00-0    OXIDES OF NITROGEN

**Item 74.2:**

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: CISCO Model # 10006040

Parameter Monitored: CONCENTRATION

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.

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

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

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

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC1



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Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 75.2:**

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: CISCO Model # 10006040

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.

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

**Condition 76: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 0NY998-00-0 VOC

**Item 76.2:**

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

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

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

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 77.2:**

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 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



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

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

**Item 78.1:**

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 78.2:**

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

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

**Item 79.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYP&A 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 THROUGHPUT

Process Material: NATURAL GAS

Upper Permit Limit: 1,868,000 cubic feet per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 80: Compliance Certification  
Effective for entire length of Permit**

**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

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYP&A 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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**Condition 81: Compliance Certification**  
**Effective for entire length of Permit**

**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

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

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
5.0 PPM AMMONIA EMISSION LIMIT DURING  
NATURALGAS FIRING IN GAS TURBINE.  
EMISSION LIMIT APPLIES AT ALL LOADS.  
NYPA WILL USE CEM TO SHOW COMPLIANCE.

Manufacturer Name/Model Number: CISCO Model # 10006040  
Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 5.0 parts per million by volume  
(dry, corrected to 15% O2)  
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.  
Subsequent reports are due every 3 calendar month(s).

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



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

**Item 82.1:**

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 82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

NYP&A 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.

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

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

**Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(ii)**

**Item 83.1:**

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 83.2:**

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: CISCO Model # 10006040

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.

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

**Condition 84: Compliance Certification  
Effective for entire length of Permit**

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

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 84.2:**

Compliance Certification shall include the following monitoring:

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



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

**Applicable Federal Requirement: 6NYCRR 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:

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

**Condition 86: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 0NY210-00-0 OXIDES OF NITROGEN

**Item 86.2:**

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: CISCO Model # 10006040

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.

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

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

**Applicable Federal Requirement: 6NYCRR 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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



**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: CISCO Model # 10006040

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.

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

**Condition 88: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 000630-08-0 CARBON MONOXIDE

**Item 88.2:**

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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

Manufacturer Name/Model Number: CISCO Model # 10006040  
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: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

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

**Applicable Federal Requirement: 6NYCRR 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:

0.0121 POUNDS 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: CISCO Model # 10006040  
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.  
Subsequent reports are due every 3 calendar month(s).



**New York State Department of Environmental Conservation**

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

**Condition 90: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 90.1:**

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 90.2:**

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.

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

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

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

**Item 91.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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

**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: 0NY075-00-0 PARTICULATES

**Item 92.2:**

Compliance Certification shall include the following monitoring:



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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**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: 007664-93-9 SULFURIC ACID

**Item 93.2:**

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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**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

**Item 94.2:**

Compliance Certification shall include the following monitoring:

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.

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

**Condition 95: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



Process: PC2

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 95.2:**

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: CISCO Model # 10006040

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 10.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

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.

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

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

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

**Item 96.1:**

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 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:



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

**Condition 97: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: PC3

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

**Item 97.2:**

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



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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.

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

**Condition 98: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 98.1:**

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 98.2:**

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



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**Facility DEC ID: 2630100084**

**Condition 99: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 99.1:**

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: 0NY210-00-0    OXIDES OF NITROGEN

**Item 99.2:**

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: CISCO Model # 10006040

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.

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

**Condition 100: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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



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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 100.2:**

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: CISCO Model # 10006040

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.

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

**Condition 101: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 101.1:**

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 101.2:**

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



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

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 0NY075-00-0    PARTICULATES

**Item 102.2:**

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



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**Condition 103: Compliance Certification**  
**Effective for entire length of Permit**

**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: 007664-41-7    AMMONIA

**Item 103.2:**

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.

Manufacturer Name/Model Number: CISCO Model # 10006040

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.

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

**Condition 104: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 104.1:**

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

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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



**Item 104.2:**

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

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

**Item 105.1:**

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 105.2:**

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: CISCO Model # 10006040



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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**Condition 106: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 000630-08-0    CARBON MONOXIDE

**Item 106.2:**

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: CISCO Model # 10006040

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 0NY075-00-0    PARTICULATES

**Item 107.2:**

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

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 007664-93-9    SULFURIC ACID

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



**Item 108.2:**

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

**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: 007664-41-7    AMMONIA

**Item 109.2:**

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: CISCO Model # 10006040

Parameter Monitored: CONCENTRATION



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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**Condition 110: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 110.1:**

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 110.2:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



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

**Item 111.1:**

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 111.2:**

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: CISCO Model # 10006040

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.

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

**Condition 112: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 000630-08-0    CARBON MONOXIDE

**Item 112.2:**



**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:

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: CISCO Model # 10006040

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.

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

**Condition 113: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 007664-93-9    SULFURIC ACID

**Item 113.2:**

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.



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

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 0NY075-00-0    PARTICULATES

**Item 114.2:**

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**



**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: 007664-41-7    AMMONIA

**Item 115.2:**

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.

Manufacturer Name/Model Number: CISCO Model # 10006040

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.

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

**Condition 116: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 116.1:**

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 116.2:**

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:**

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

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

**Item 117.1:**

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 117.2:**

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: CISCO Model # 10006040

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 80.9 pounds per hour

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

Monitoring Frequency: CONTINUOUS



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**Permit ID: 2-6301-00084/00015**

**Facility DEC ID: 2630100084**

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

**Condition 118: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 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: 000630-08-0    CARBON MONOXIDE

**Item 118.2:**

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: CISCO Model # 10006040

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.

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

**Condition 119: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 119.1:**

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: 0003B  
Process: PC2                    Emission Source: CC03B

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

**Item 119.2:**

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

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart 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: 007664-93-9    SULFURIC ACID

**Item 120.2:**

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:**

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

**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: 007664-41-7    AMMONIA

**Item 121.2:**

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: CISCO Model # 10006040

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

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



Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
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 122: Contaminant List  
Effective for entire length of Permit**

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

**Item 122.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY998-00-0

Name: VOC

**Condition 123: Unavoidable noncompliance and violations  
Effective for entire length of Permit**

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

**Item 123.1:**

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

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



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for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

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

**Condition 124: Air pollution prohibited**  
**Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 124.1:**

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.