



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6301-00084/00015
Effective Date: 03/28/2018 Expiration Date: 03/27/2023

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 2-6301-00084/00021
Effective Date: 03/28/2018 Expiration Date: 03/27/2023

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

Contact: JOHN KAHABKA
NY POWER AUTHORITY
123 MAIN ST
WHITE PLAINS, NY 10601
(914) 681-6308

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

Description:

This project is operation of a 500 MW power plant at the existing Charles Poletti Power Complex located at 31-03 20th Avenue, Astoria, New York 11105. The old original power plant ceased its operation and is closed already. This site is zoned for heavy industrial use including power generation. The site is close to area surrounded by other industrial facilities including the Steinway Piano manufacturing, Bowery Bay Water Pollution Control Plant, and other existing power plants. The original Title V permit was issued on 10/01/2002 with an expiry date of 9/30/2007. Renewal 1 was issued on 3/17/2008. Renewal 2 was issued on 3/28/2013 with an expiry date of 3/27/2018. This application is for the renewal (Renewal 3) of the same permit.

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

Emission Unit U00003 represents two GE Combustion Turbines (Model # GE S207FA).



This Emission Unit consists of two processes: PC1 and PC2. Process PC1 represents natural gas firing in the combustion turbines, each rated at 1779 MM Btu/hr when firing natural gas (the primary fuel) at 54.6 degrees F.

Process PC2 represents firing of distillate oil in the combustion turbines, each rated at 2,041 MM BTU/hr when firing distillate oil (the back-up fuel) at -5 degrees F. Distillate 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 distillate 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).

NYPA's old plant, also at the Charles Poletti site in Astoria, Queens, which was an existing major stationary source with DEC ID # 2-6301-00084/00010 having a separate Title V permit is closed already a few years ago. Because of the emissions of Sulfur Dioxide (SO₂), Nitrogen Oxides (NO_x), Particulate Matter (PM), Particulate Matter sized 10 microns or less (PM₁₀), 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_x) 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_x. 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_x, VOC and CO. The NO_x 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 distillate oil). The emissions of sulfur dioxide (SO₂) and sulfuric acid mist (H₂SO₄) will be controlled through the use of low sulfur fuels (natural gas and low sulfur distillate 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_x, CO and VOC. All emission limits are based on one-hour average with the exception of the NO_x emission limit and Ammonia slip limit, which are based on a 3-hour block average.



2. The facility has to comply with BACT (Best Available Control Technology) by meeting the emission limits listed below under 40 CFR 52-21.A for PM/PM 10, Sulfuric Acid and Ammonia.
3. The facility has to comply with the NOx RACT requirements for combined cycle combustion turbines when firing oil and gas in 6NYCRR 227-2.4(e)(2)(ii).
4. The facility has to comply with the requirements for emission testing, emission monitoring, record keeping and reporting as in 40 CFR 60, NSPS.
5. The facility has to comply with the requirements of 40 CFR 60 Subpart GG - Standards of Performance for Stationary Gas Turbines for SO2 and NOx 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 0.0015% by weight sulfur limit in the distillate oil.
7. Demonstration of continuous compliance with the PSD permit limits will not be required until completion of the PSD compliance testing, or within 180 days of startup, whichever date comes first. However, the permittee shall take all reasonable steps to minimize emissions during startup and equipment testing prior to completion of compliance testing.
8. The facility has to comply with the following Emission Limits according to 6NYCRR 231-2 (New Source Review) and 40 CFR 52-A.21 (PSD - Prevention of Significant Deterioration):

Pollutant	Natural Gas (Process PC1)		Kerosene (Process PC2)		lb/hr	Combined ppm
	lb/mmbtu	lb/hr	ppm	lb/btumm		
Cycle						
Annual						
Limit (tpy)						
VOCs	0.0017	3.2	1.3	0.0041	8.4	3.0
31.0						
NOx	0.0074	14.3	2.0	0.0400	80.9	10.0
165.0						
CO	0.0056	10.9	2.5	0.0121	24.6	5.0
90.0						
PM	0.0150	15.0	n/a	0.0470	67.0	n/a
169.0						
SO2	0.0006	1.1	n/a	0.0420	84.2	n/a
67.0						
Sulfur Acid Mist	0.002	3.0	n/a	0.0120	23.2	n/a
19.0						
Ammonia Slip	n/a	13.3	5.0	n/a	29.9	10.0



129.0

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

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

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

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

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

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

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

12. Use of Emission Reduction Credit: NYPA will require offset amounts of 41 tons for VOC and 217 tons for NOx for the proposed project. NYPA has arranged to buy 41 tons of VOC offsets from "Minnesota Mining and Manufacturing Company (3M), Bristol

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



Township, Bucks County, PA". For NO_x, 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 one diesel engine will be 200 hours of operation per year and one hour per week of testing.

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

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

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

Authorized Signature: _____ Date: ____ / ____ / ____

DEC Permit Conditions
Renewal 3/FINAL



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal -
REGION 2 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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



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

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

Item 4.1:

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

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

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

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

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

Permit Effective Date: 03/28/2018

Permit Expiration Date: 03/27/2023



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction

Emission Unit Level

EU=U-00003,Proc=PC4

- 21 6 NYCRR 201-3.2 (a): Compliance Certification
- 22 6 NYCRR Subpart 201-6: Steady state and fuel switching emission limit applicability.
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR Subpart 201-6: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Compliance Certification
- 26 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 27 6 NYCRR 202-1.5: Prohibitions
- 28 6 NYCRR Part 207: Submittal of Episode Action Plans
- 29 6 NYCRR 211.1: Air pollution prohibited
- 30 6 NYCRR 225-1.2: Compliance Certification
- 31 6 NYCRR 225-1.2 (g): Compliance Certification
- 32 6 NYCRR 225-1.2 (h): Compliance Certification
- 33 6 NYCRR 231-10.2: Compliance Certification
- 34 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 35 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 36 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used
- 37 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.



- 38 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 39 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 40 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 41 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 42 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 43 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 44 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 45 40CFR 60.9, NSPS Subpart A: Availability of information.
- 46 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 47 40CFR 60.12, NSPS Subpart A: Circumvention.
- 48 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 49 40CFR 60.14, NSPS Subpart A: Modifications.
- 50 40CFR 60.15, NSPS Subpart A: Reconstruction
- 51 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations
and Permitting
- 52 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 53 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00003

- 54 6 NYCRR 227-1.3 (a): Compliance Certification
- 55 6 NYCRR 231-2.6: Compliance Certification
- 56 6 NYCRR 231-2.6: Compliance Certification
- 57 6 NYCRR 231-2.6: Compliance Certification
- 58 6 NYCRR 231-2.9: Compliance Certification
- 59 40CFR 52.21, Subpart A: Compliance Certification
- 60 40CFR 52.21, Subpart A: Compliance Certification
- 61 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification

EU=U-00003,Proc=PC1

- 62 6 NYCRR 231-2.5 (a): Compliance Certification
- 63 6 NYCRR 231-2.5 (a): Compliance Certification
- 64 6 NYCRR 231-2.5 (a): Compliance Certification
- 65 6 NYCRR 231-2.5 (a): Compliance Certification
- 66 6 NYCRR 231-2.5 (a): Compliance Certification
- 67 6 NYCRR 231-2.5 (a): Compliance Certification
- 68 40CFR 52.21(j), Subpart A: Compliance Certification
- 69 40CFR 52.21(j), Subpart A: Compliance Certification
- 70 40CFR 52.21(j), Subpart A: Compliance Certification
- 71 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00003,Proc=PC2

- 72 6 NYCRR 201-6.1: Compliance Certification
- 73 6 NYCRR 231-2.5 (a): Compliance Certification
- 74 6 NYCRR 231-2.5 (a): Compliance Certification
- 75 6 NYCRR 231-2.5 (a): Compliance Certification
- 76 6 NYCRR 231-2.5 (a): Compliance Certification
- 77 6 NYCRR 231-2.5 (a): Compliance Certification
- 78 6 NYCRR 231-2.5 (a): Compliance Certification
- 79 40CFR 52.21(j), Subpart A: Compliance Certification
- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 52.21(j), Subpart A: Compliance Certification



- 83 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 40CFR 52.21(j), Subpart A: Compliance Certification
- 85 40CFR 60.333(b), NSPS Subpart GG: Compliance Certification

EU=U-00003,Proc=PC3

- 86 6 NYCRR 227.2 (b) (1): Compliance Certification
- 87 6 NYCRR 231-2.6: Compliance Certification

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

- 88 6 NYCRR 231-2.5 (a): Compliance Certification
- 89 6 NYCRR 231-2.5 (a): Compliance Certification
- 90 6 NYCRR 231-2.5 (a): Compliance Certification
- 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 94 6 NYCRR 231-2.5 (a): Compliance Certification
- 95 6 NYCRR 231-2.5 (a): Compliance Certification
- 96 6 NYCRR 231-2.5 (a): Compliance Certification
- 97 40CFR 52.21(j), Subpart A: Compliance Certification
- 98 40CFR 52.21(j), Subpart A: Compliance Certification
- 99 40CFR 52.21(j), Subpart A: Compliance Certification

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

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

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

- 106 6 NYCRR 231-2.5 (a): Compliance Certification
- 107 6 NYCRR 231-2.5 (a): Compliance Certification
- 108 6 NYCRR 231-2.5 (a): Compliance Certification
- 109 6 NYCRR 231-2.5 (a): Compliance Certification
- 110 40CFR 52.21(j), Subpart A: Compliance Certification
- 111 40CFR 52.21(j), Subpart A: Compliance Certification
- 112 40CFR 52.21(j), Subpart A: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 113 ECL 19-0301: Contaminant List
- 114 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 115 6 NYCRR 211.2: Visible Emissions Limited



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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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

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

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

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



is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 03/28/2018 and 03/27/2023**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 4.1:

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



reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



the report shall be contained in the 6 month monitoring report required above.

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

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

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

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

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



report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 6: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



specified in any special permit terms or conditions;
and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

NYSDEC



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Bureau of Quality Assurance
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 1/30/2019.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 215.2



Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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 between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 03/28/2018 and 03/27/2023



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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

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 20: Recycling and Emissions Reduction
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 21.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC4

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operation of the emergency diesel generator (EDG) will be limited to 475 hours per year and is equipped with a non-resettable hour meter. Records of annual operating hours will be maintained at site for five years.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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



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

Condition 22: Steady state and fuel switching emission limit applicability.

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1: The emission limits for NO_x, 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 23: Emission Unit Definition

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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 1864 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING DISTILLATE OIL (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 24: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

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_x, CO, and NH₃, and confirm that such established rates would not result in a violation of applicable NAAQS. In the event that a minimum of 15 start-ups and 15 shutdowns, while firing distillate oil, does not occur within the one year period defined above, the owner or operator will be required to submit start-up and shutdown data with an application for permit modification once the 15 start-ups and shutdowns 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 26: Progress Reports Due Semiannually

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 26.1:

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

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

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



Condition 27: Prohibitions
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 27.1:

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 28: Submittal of Episode Action Plans
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Part 207

Item 28.1:

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 29: Air pollution prohibited
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 29.1:

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

Condition 30: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC



OPERATIONS

Monitoring Description:

NYP&A WILL UTILIZE DISTILLATE FUEL OIL CONTAINING A MAXIMUM 0.0015% SULFUR BY WEIGHT AT THE FACILITY. NYP&A IS PROPOSING COMPLIANCE BY TAKING AND TESTING THE SAMPLE FOR SULFUR CONTENT OF THE DISTILLATE FUEL OIL FROM EITHER THE BULK STORAGE TANK, DELIVERY BARGE, OR USE OF FUEL SUPPLIER CERTIFICATION AFTER EACH OIL DELIVERY. A RECORD 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: 0.0015 percent by weight

Reference Test Method: ASTM METHOD D2622, D5453, OR EQUIVALENT

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 31: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 231-10.2

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

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

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

Condition 34: EPA Region 2 address.
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 34.1:
All requests, reports, applications, submittals, and other communications to the Administrator

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

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

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

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

**Condition 35: Date of construction notification - If a COM is not used.
Effective between the dates of 03/28/2018 and 03/27/2023**

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

Item 35.1:

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 36: Date of Construction Notification - if a COM is used
Effective between the dates of 03/28/2018 and 03/27/2023**

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

Item 36.1:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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, 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 37: Recordkeeping requirements.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 37.1:

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 38: Excess emissions report.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 38.1:

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 39: Facility files for subject sources.
Effective between the dates of 03/28/2018 and 03/27/2023

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



Item 39.1:

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 40: Performance test methods.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 40.1:

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 41: Required performance test information.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 41.1:

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 42: Prior notice.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 42.1:

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

Condition 43: Performance testing facilities.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 43.1:

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 44: Number of required tests.
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 44.1:

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 45: Availability of information.
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 45.1:

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 46: Opacity standard compliance testing.
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 46.1:

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

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

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

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

Condition 47: Circumvention.
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 47.1:

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 48: Monitoring requirements.



Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 48.1:

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

Condition 49: Modifications.

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 49.1:

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 50: Reconstruction

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 50.1:

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;
- 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 51: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40 CFR Part 72

Item 51.1: 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.

Condition 52: Emission Point Definition By Emission Unit
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 52.1:

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 53: Process Definition By Emission Unit
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 53.1:

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 1864 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING DISTILLATE OIL (BACK-UP FUEL) AT -5 D F OPERATING AT 35-100% 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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Design Capacity: 1,864 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_x BURNER

Emission Source/Control: DLN3B - Control
Control Type: DRY LOW NO_x BURNER

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

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

Item 53.2:

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 1864 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 D F AND 2,041 MMBTU/HR WHEN FIRING DISTILLATE OIL (BACK-UP FUEL) AT -5 D F OPERATING AT 35-100% LOAD. PROCESS PC2 FOR EMISSION UNIT U00003 REPRESENTS DISTILLATE OIL FIRING IN THE TURBINE. FOR THIS PROCESS, DRY LOW-NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED BY AN OXIDATION CATALYST. DISTILLATE OIL 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 DISTILLATE OIL, ON AN HOURLY BASIS, REPRESENTS TURBINE OPERATIONS AT -5 D F AT FULL LOAD.

Emission Source/Control: CC03A - Combustion
Design Capacity: 1,864 million Btu per hour

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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_x BURNER

Emission Source/Control: DLN3B - Control
Control Type: DRY LOW NO_x BURNER

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

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

Item 53.3:

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

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

Emission Source/Control: DE001 - Combustion

Item 53.4:

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

Emission Unit: U-00003
Process: PC4 Source Classification Code: 2-01-001-07
Process Description:
One Caterpillar 800HP (550KWe), model year 2004, emergency diesel generator (EDG), which will supply power to the Poletti Administrative Building when off site power is lost. The EDG will be limited to 475 hours of operation per year and one hour of testing per week and will burn ultra low sulfur (ULSD) fuel.

Emission Source/Control: AEDG1 - Combustion
Design Capacity: 550 kilowatts

Item 53.5:

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



Emission Unit: U-00003
Process: PC5 Source Classification Code: 2-01-001-07

Process Description:
ONE SULLAIR 275HP TIER 3 DIESEL AIR COMPRESSOR, WHICH SERVES AS A BACK UP SOURCE FOR PLANT COMPRESSED AIR. THE UNIT IS A MOBILE, NON-ROAD, DIESEL AIR COMPRESSOR (TRAILER MOUNTED) THAT IS TAKEN OFF-SITE AFTER USE. THE FACILITY IS ADDING THIS UNIT TO THE PERMIT SO THAT IT CAN BE KEPT ON SITE PERMANENTLY.

THE UNIT IS LIMITED TO 2500 HOURS OF OPERATION PER YEAR.

Emission Source/Control: DAC01 - Combustion
Design Capacity: 275 horsepower (mechanical)

Condition 54: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 54.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 54.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:
No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

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

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

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

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

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2018.
 Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023



Applicable Federal Requirement:6 NYCRR 231-2.6

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 55.2:

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: Thermo 48i

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 90.0 tons per year

Reference Test Method: PT60,APP A,METH 10

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 56: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 56.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Monitoring Description:

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

Parameter Monitored: VOC

Upper Permit Limit: 31.0 tons per year

Reference Test Method: PART 60,APP A

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 57: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 165.0 tons per year

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Reference Test Method: 40CFR 60,APP A,M 19
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 231-2.9

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

at:

<http://www.w.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



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

231-2 is applicable prior to operations, but that has to be done 60 days in advance so that the Department can revise the permit.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 12 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 59.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 59.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

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

Parameter Monitored: PM-10
Upper Permit Limit: 169.0 tons per year
Reference Test Method: 201A & 202
Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 60.1:
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

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 60.2:

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_x emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: AMMONIA

Upper Permit Limit: 129.0 tons per year

Reference Test Method: As proposed

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 61: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 61.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



gas turbines shall be kept and retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 62: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: CONCENTRATION

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

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Item 63.1:

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 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2.5PPM (BY VOL, DRY, CORR TO 15% O₂) CO
EMISSION LIMIT DURING NATURAL GAS FIRING
IN GAS TURBINE BASED UPON HHV OF FUEL.
EMISSION LIMIT APPLIES AT ALL LOADS,
EXCEPT DURING THE PERIODS OF STARTUP,
SHUTDOWN, OR FUEL TRANSFER. NYPA WILL
USE CEM TO MONITOR CO EMISSION AT THE
STACK.

Manufacturer Name/Model Number: Thermo 48i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 2.5 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: PT60,APP A,METH 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 64: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 64.1:

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 64.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: CONCENTRATION

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

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 65: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 65.1:

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 65.2:

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, EXCEPT DURING THE
PERIODS OF STARTUP, SHUTDOWN, OR FUEL
TRANSFER. NYPA WILL USE CEM TO MONITOR
NOX EMISSION AT THE STACK.

Manufacturer Name/Model Number: Thermo 42i



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

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.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 66: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 66.1:

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 66.2:

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,
EXCEPT DURING THE PERIODS OF STARTUP,
SHUTDOWN, OR FUEL TRANSFER. NYPA WILL
USE CEM TO MONITOR CO EMISSION AT THE
STACK.

Manufacturer Name/Model Number: Thermo 48i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 0.0056 pounds per million Btus
Reference Test Method: PT60,APP A,METHOD 10
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023



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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC1

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0017 pounds per million Btus

Reference Test Method: PT60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 68: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC1

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Description:

0.0150 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: Method 5

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 69: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 69.1:

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 69.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Item 70.2:

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 THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 16,364 million cubic feet per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 71: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 71.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5.0 PPM AMMONIA EMISSION LIMIT DURING
NATURALGAS FIRING IN GAS TURBINE.
EMISSION LIMIT APPLIES AT ALL LOADS,
EXCEPT DURING THE PERIODS OF STARTUP,
SHUTDOWN, OR FUEL TRANSFER. NYPA WILL
USE CEM TO SHOW COMPLIANCE.

Manufacturer Name/Model Number: Thermo 42i

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.

The initial report is due 4/30/2018.

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

Condition 72: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 201-6.1

Item 72.1:

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 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

NYPA IS PROPOSING A FUEL SULFUR LIMIT OF
0.0015 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: 0.0015 percent by weight

Reference Test Method: ASTM METH D2622 or D5453

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL
CHANGE



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 73: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5.0 PPM (BY VOL, DRY, CORR TO 15% O₂) CO
EMISSION LIMIT DURING DISTILLATE OIL
FIRING IN GAS TURBINE BASED UPON HHV OF
FUEL. EMISSION LIMIT APPLIES AT ALL
LOADS, EXCEPT DURING THE PERIODS OF
STARTUP, SHUTDOWN, OR FUEL TRANSFER.
NYPA WILL USE CEM TO MONITOR CO EMISSION
AT THE STACK. THE LIMIT SHALL APPLY AT
ALL TIMES EXCEPT DURING STARTUP, SHUTDOWN
AND FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 48i

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: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 74: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023



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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0041 pounds per million Btus

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Parameter Monitored: CONCENTRATION

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

Reference Test Method: PART 60,APP A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 76: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

0.0121POUNDS PER MILLION BTU CO EMISSION
LIMIT DURING DISTILLATE OIL FIRING IN GAS
TURBINE BASED UPON HHV OF FUEL. EMISSION
LIMIT APPLIES AT ALL LOADS, EXCEPT DURING
THE PERIODS OF STARTUP, SHUTDOWN, OR FUEL
TRANSFER. NYPA WILL USE CEM TO MONITOR
CO EMISSION AT THE STACK.

Manufacturer Name/Model Number: Thermo 48i

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.

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

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

Item 77.2:

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). THE LIMIT SHALL
APPLY AT ALL TIMES EXCEPT DURING STARTUP,
SHUTDOWN AND FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 0.0400 pounds per million Btus
Reference Test Method: 40CFR 60,APP A,M 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 78: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Item 78.2:

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). THE LIMIT SHALL APPLY AT ALL TIMES EXCEPT DURING STARTUP, SHUTDOWN AND FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O₂)

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 79: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

10.0 PPM AMMONIA EMISSION LIMIT DURING DISTILLATE OIL FIRING IN GAS TURBINE BASED UPON HHV OF FUEL. THIS LIMIT APPLIES AT ALL LOADS, EXCEPT DURING THE PERIODS OF STARTUP, SHUTDOWN, OR FUEL TRANSFER. NYPA WILL USE CEM TO SHOW COMPLIANCE

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 10.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 206
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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: PC2

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

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 THE PRIMARY FUEL WITH UP TO 720 HOURS OF DISTILLATE OIL FUEL OIL AS A BACK UP. THE SULFUR CONTENT OFDISTILLATE OIL WILL NOT EXCEED 0.0015% 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: 0.0015 percent by weight

Reference Test Method: ASTM METH D2622 or D5453

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.



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

Condition 81: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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: PC2

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

ALTERNATE FUEL USAGE (DISTILLATE) 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 per year
Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



0.0470 LB/MMBTU PARTICULATE MATTER(<10 MICRONS) EMISSION LIMIT DURING DISTILLATE OIL 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 83: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0470 LB/MMBTU PARTICULATE MATTER EMISSION LIMIT DURING DISTILLATE OIL 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: Method 5

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 84: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 84.1:

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 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.0120 pounds per million Btus

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 85.1:

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 85.2:



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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NYP&A WILL COMPLY WITH A FUEL SULFUR CONTENT LIMIT OF 0.0015% BY WEIGHT.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: ASTM METH D2622 or D5453

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 86: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 86.2:

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



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 87: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC3

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 88: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: PC1

Emission Point: 0003A

Emission Source: CC03A

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Item 88.2:

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 89: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 89.1:

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 89.2:

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. THE
LIMIT SHALL APPLY AT ALL TIMES EXCEPT
DURING STARTUP, SHUTDOWN AND FUEL
TRANSFER.



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 14.3 pounds per hour
Reference Test Method: 40CFR PT60,APP A,M19
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

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

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

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

Item 90.2:
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. THE
LIMIT SHALL APPLY AT ALL TIMES EXCEPT
DURING STARTUP, SHUTDOWN AND FUEL
TRANSFER.

Manufacturer Name/Model Number: Thermo 48i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 10.9 pounds per hour
Reference Test Method: PT60,APP A,METHOD 10
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 91: Compliance Certification



Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 91.1:

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 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Upper Permit Limit: 3.0 pounds per hour

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 92: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 92.1:

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 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Description:

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: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 93: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 93.1:

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 93.2:

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.
THE LIMIT SHALL APPLY AT ALL TIMES EXCEPT
DURING STARTUP, SHUTDOWN AND FUEL
TRANSFER.

Manufacturer Name/Model Number: Thermo 42i

Upper Permit Limit: 13.3 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Condition 94: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 94.1:

The Compliance Certification activity will be performed for:

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

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

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

8.4 LB/HR. VOC EMISSION LIMIT DURING
DISTILLATE OIL 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 95: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 95.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

24.6 LB/HR. CO EMISSION LIMIT DURING
DISTILLATE OIL 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. THE
LIMIT SHALL APPLY AT ALL TIMES EXCEPT
DURING STARTUP, SHUTDOWN AND FUEL
TRANSFER.

Manufacturer Name/Model Number: Thermo 48i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 24.6 pounds per hour

Reference Test Method: PART60,APP A,M 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 96: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 96.1:

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 96.2:

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: Thermo 42i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 80.9 pounds per hour



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Reference Test Method: 40CFR 60,APP A,M 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 97.1:

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 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

67.0 LB/HR. PARTICULATE MATTER EMISSION
LIMIT DURING DISTILLATE OIL 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 98: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 98.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Emission Unit: U-00003
Process: PC2

Emission Point: 0003A
Emission Source: CC03A

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

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

23.2 LB/HR. SULFUR ACID MIST EMISSION
LIMIT DURING DISTILLATE OIL 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 99: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: PC2

Emission Point: 0003A
Emission Source: CC03A

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

29.9 LB/HR. AMMONIA EMISSION LIMIT
DURING DISTILLATE OIL FIRING IN GAS
TURBINE. NYPA WILL USE CEM TO SHOW
COMPLIANCE. THE LIMIT SHALL APPLY AT ALL
TIMES EXCEPT DURING STARTUP, SHUTDOWN AND

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 29.9 pounds per hour
Reference Test Method: As proposed
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 100.1:

The Compliance Certification activity will be performed for:

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

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: CONCENTRATION
Upper Permit Limit: 3.2 pounds per hour
Reference Test Method: PT60,APP A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 101: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023



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

Item 101.1:

The Compliance Certification activity will be performed for:

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

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

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 14.3 pounds per hour
Reference Test Method: 40CFR PT60,APP A,M19
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 102.1:

The Compliance Certification activity will be performed for:

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

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

Item 102.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo 48i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 10.9 pounds per hour

Reference Test Method: PT60,APP A,METHOD 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 103: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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: 0003B

Process: PC1

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Upper Permit Limit: 3.0 pounds per hour

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 104: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 104.1:

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 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Upper Permit Limit: 15 pounds per hour

Reference Test Method: 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 105: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 105.1:

The Compliance Certification activity will be performed for:

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

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo 42i

Upper Permit Limit: 13.3 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 106: Compliance Certification

Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 0003B

Process: PC2

Emission Source: CC03B

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

8.4 LB/HR. VOC EMISSION LIMIT DURING
DISTILLATE OIL 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



New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 107: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 107.1:

The Compliance Certification activity will be performed for:

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

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

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

COMPLIANCE WITH THE NOX RACT AND LAER
EMISSION LIMIT WILL BE DEMONSTRATED
PURSUANT TO 40 CFR 60 APPEND A, METH 19
AND 6 NYCRR 227-2.6 (b). THE LIMIT SHALL
APPLY AT ALL TIMES EXCEPT DURING STARTUP,
SHUTDOWN AND FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 80.9 pounds per hour

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 108: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 108.1:

The Compliance Certification activity will be performed for:

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

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



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

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

24.6 LB/HR. CO EMISSION LIMIT DURING
DISTILLATE OIL 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. THE
LIMIT SHALL APPLY AT ALL TIMES EXCEPT
DURING STARTUP, SHUTDOWN AND FUEL
TRANSFER.

Manufacturer Name/Model Number: Thermo 48i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 24.6 pounds per hour

Reference Test Method: PART60,APP A,M 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

Condition 109: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 109.1:

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 109.2:

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). THE LIMIT SHALL

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



APPLY AT ALL TIMES EXCEPT DURING STARTUP,
SHUTDOWN AND FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 80.9 pounds per hour
Reference Test Method: 40CFR 60,APP A,M 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 110: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 110.1:

The Compliance Certification activity will be performed for:

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

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

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

67.0 LB/HR. PARTICULATE MATTER EMISSION
LIMIT DURING DISTILLATE OIL 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 111: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023



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

Item 111.1:

The Compliance Certification activity will be performed for:

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

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

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

23.2 LB/HR. SULFUR ACID MIST EMISSION
LIMIT DURING DISTILLATE OIL 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 112: Compliance Certification
Effective between the dates of 03/28/2018 and 03/27/2023

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

Item 112.1:

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 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Monitoring Description:

29.9 LB/HR. AMMONIA EMISSION LIMIT
DURING DISTILLATE OIL FIRING IN GAS
TURBINE. NYPA WILL USE CEM TO SHOW
COMPLIANCE. THE LIMIT SHALL APPLY AT ALL
TIMES EXCEPT DURING STARTUP, SHUTDOWN AND
FUEL TRANSFER.

Manufacturer Name/Model Number: Thermo 42i

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 29.9 pounds per hour

Reference Test Method: As proposed

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 113: Contaminant List

Effective between the dates of 03/28/2018 and 03/27/2023

Applicable State Requirement:ECL 19-0301

Item 113.1:

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

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

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

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

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



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

Condition 114: Malfunctions and start-up/shutdown activities
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 114.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 115: Visible Emissions Limited
Effective between the dates of 03/28/2018 and 03/27/2023

Applicable State Requirement:6 NYCRR 211.2

New York State Department of Environmental Conservation

Permit ID: 2-6301-00084/00015

Facility DEC ID: 2630100084



Item 115.1:

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