



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6101-00185/00008
Effective Date: 01/04/2018 Expiration Date: 01/03/2023

Permit Issued To: BROOKLYN NAVY YARD COGENERATION PARTNERS, L.P.
63 FLUSHING AVE UNIT 234
BROOKLYN, NY 11205-1074

Contact: CHRISTOPHER TRABOLD
BROOKLYN NAVY YARD COGENERATION PARTNERS LP
63 FLUSHING AVE BLDG 41 UNIT # 234
BROOKLYN, NY 11205
(718) 237-6755

Facility: BROOKLYN NAVY YARD COGENERATION PLANT
63 FLUSHING AVE|BROOKLYN NAVY YARD, BLDG 41 UNIT #234
BROOKLYN, NY 11205

Contact: CHRISTOPHER TRABOLD
BROOKLYN NAVY YARD COGENERATION PARTNERS LP
63 FLUSHING AVE BLDG 41 UNIT # 234
BROOKLYN, NY 11205
(718) 237-6755

Description:
This facility (**Brooklyn Navy Yard Cogeneration Plant**) is a 286-megawatt (MW) gas-fired power plant. The plant consists of two Siemens V84.2 gas turbines, capable of firing natural gas or fuel oil. Each turbine is equipped with a Heat Recovery Steam Generator (HRSG). Each turbine may operate independently of the other. Both turbines have water or steam injection capability for power augmentation on natural gas and water injection for NOx control on fuel oil. In addition, two distillate oil-fired emergency generators are provided. The plant supplies electricity to Con Edison and the Navy Yard, and supplies steam to Con Edison, the Navy Yard, and the Red Hook Water Pollution Control Plant.

This Title V permit is a renewal of the previously issued Title V permit expiring on Jan 3, 2018. The facility will continue to maintain and comply with the facility-wide NOx emissions cap of 145.77 tons per year as prescribed in the previous permit.



The facility will also continue to comply with the provisions of 6 NYCRR Part 225-1.2 requiring the use of ultra-low sulfur distillate (USLD) oil with a sulfur content no greater than 0.0015 percent by weight.

The facility-wide emissions for major air pollutants exceed the major source pollutant threshold and therefore is subject to the provisions of Title V specified under 6 NYCRR subpart 201-6. The facility is subject to the Title IV (Acid Rain Permit) provisions of 40 CFR Part 72, due to emissions of sulfur dioxide caused by activities of generating electricity.

Pursuant to the Phase II requirements of Title IV of the Clean Air Act Amendments of 1990 and 40 CFR Part 72.6(a)(3), the facility is required to apply for the Title IV (Phase II Acid Rain) permit in the Title V application. The facility has to comply with all compliance requirements of Acid Rain Rules (40 CFR Parts 72, Parts 73, Parts 75, Parts 77 and Parts 78).

The Department has previously approved an application for a Title IV Acid Rain Permit renewal to this previously approved facility as required by 40 CFR Part 72 for the applicant's Brooklyn Navy Yard Cogeneration Plant, located at 63 Flushing Avenue - Building 41 in Brooklyn, New York. The current Title IV permit was issued on 1/4/2013. Issuance of this permit will allow the Department to enforce the requirements of the Acid Rain Program. No emissions increase will result from permit issuance. Prior permits issued to this facility remain in force & include requirements for compliance with 6NYCRR Subpart 225-1 (Fuel Composition and Use-Sulfur Limitations) and 227-1 (Stationary Combustion Installations) and 227-2 (Reasonably Available Control Technology (RACT) for Oxides of Nitrogen. The applicant will be required to have sufficient SO₂ allowances in its possession to cover SO₂ emissions from this facility. The applicant shall submit annual compliance certification reports to the Department and the U.S. Environmental Protection Agency (USEPA). The applicant shall maintain and certify monitoring systems and/or methodologies for opacity, SO₂ emissions, NO_x emissions, SO₂ removal (if applicable), CO₂ emissions and volumetric flow rates in accordance with the requirements of 40 CFR Part 75. In accordance with 6NYCRR Parts 621 & 201, the Administrator of the USEPA has the authority to bar issuance of this permit if it is determined not to be in compliance with applicable requirements of the Clean Air Act or 6NYCRR Part 201.

Nature of business at the facility:

Electric Power Generation

4931 [primary SIC] - Electric & other services combined.

4911- Electric & other services combined

New York State Department of Environmental Conservation
Facility DEC ID: 2610100185



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: ___ / ___ / _____



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

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Facility: BROOKLYN NAVY YARD COGENERATION PLANT
63 FLUSHING AVE|BROOKLYN NAVY YARD, BLDG 41 UNIT #234
BROOKLYN, NY 11205

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date: 01/04/2018

Permit Expiration Date: 01/03/2023



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 4 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 5 6 NYCRR 201-6.4 (a) (7): Fees
- 6 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 7 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 8 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 9 6 NYCRR 201-6.4 (e): Compliance Certification
- 10 6 NYCRR 202-2.1: Compliance Certification
- 11 6 NYCRR 202-2.5: Recordkeeping requirements
- 12 6 NYCRR 215.2: Open Fires - Prohibitions
- 13 6 NYCRR 200.7: Maintenance of Equipment
- 1 6 NYCRR 201-1.7: Recycling and Salvage
- 14 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 2 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 3 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR Subpart 201-6: Compliance Certification
- 23 6 NYCRR Subpart 201-6: Compliance Certification
- 24 6 NYCRR Subpart 201-6: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Compliance Certification
- 26 6 NYCRR Subpart 201-6: Compliance Certification
- 27 6 NYCRR Subpart 201-6: Compliance Certification
- 28 6 NYCRR Subpart 201-6: Compliance Certification
- 29 6 NYCRR Subpart 201-6: Compliance Certification
- 30 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 31 6 NYCRR 211.1: Air pollution prohibited
- 32 6 NYCRR 225-1.2: Compliance Certification
- 33 6 NYCRR 225-1.6: Compliance Certification
- 34 6 NYCRR 227-1.3 (a): Compliance Certification
- 35 6 NYCRR 231-2.4: Compliance Certification
- 36 40CFR 52.21(j), Subpart A: Compliance Certification
- 37 40CFR 52.21(j), Subpart A: Compliance Certification
- 38 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 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(d), NSPS Subpart A: Prior notice.
- 42 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 43 40CFR 60.12, NSPS Subpart A: Circumvention.



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- 44 40CFR 60.332(b), NSPS Subpart GG: Compliance Certification
- 45 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 46 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 47 40CFR 63.6604, Subpart ZZZZ: Fuel requirements for existing emergency stationary CI RICE
- 48 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times
- 49 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
- 50 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 51 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 52 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 53 40CFR 63.6625(i), Subpart ZZZZ: Compliance Certification
- 54 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
- 55 40CFR 63.6650(h), Subpart ZZZZ: Compliance Certification
- 56 40CFR 63.6655, Subpart ZZZZ: Compliance Certification
- 57 40 CFR Part 75: Compliance Certification
- 58 40 CFR Part 75: Compliance Certification
- 59 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 60 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 61 40CFR 97.606, Subpart CCCCC: Compliance Certification

Emission Unit Level

- 62 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 63 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001

- 64 6 NYCRR Subpart 201-6: Compliance Certification
- 65 6 NYCRR 231-2.2 (b): Compliance Certification
- 66 6 NYCRR 231-2.2 (b): Compliance Certification
- 67 6 NYCRR 231-2.2 (b): Compliance Certification

EU=U-00001,EP=00001,Proc=01A

- 68 6 NYCRR Subpart 201-6: Compliance Certification
- 69 6 NYCRR Subpart 201-6: Compliance Certification
- 70 6 NYCRR Subpart 201-6: Compliance Certification
- 71 6 NYCRR Subpart 201-6: Compliance Certification
- 72 6 NYCRR 231-2.2 (b): Compliance Certification
- 73 6 NYCRR 231-2.2 (b): Compliance Certification
- 74 6 NYCRR 231-2.2 (b): Compliance Certification
- 75 6 NYCRR 231-2.2 (b): Compliance Certification
- 76 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=01B

- 78 6 NYCRR Subpart 201-6: Compliance Certification
- 79 6 NYCRR Subpart 201-6: Compliance Certification
- 80 6 NYCRR Subpart 201-6: Compliance Certification
- 81 6 NYCRR Subpart 201-6: Compliance Certification
- 82 6 NYCRR 231-2.2 (b): Compliance Certification
- 83 6 NYCRR 231-2.2 (b): Compliance Certification
- 84 6 NYCRR 231-2.2 (b): Compliance Certification
- 85 6 NYCRR 231-2.2 (b): Compliance Certification

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- 86 40CFR 52.21(j), Subpart A: Compliance Certification
- 87 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00002

- 88 6 NYCRR Subpart 201-6: Compliance Certification
- 89 6 NYCRR 231-2.2 (b): Compliance Certification
- 90 6 NYCRR 231-2.2 (b): Compliance Certification
- 91 6 NYCRR 231-2.2 (b): Compliance Certification

EU=U-00002,EP=00002,Proc=02A

- 92 6 NYCRR Subpart 201-6: Compliance Certification
- 93 6 NYCRR Subpart 201-6: Compliance Certification
- 94 6 NYCRR Subpart 201-6: Compliance Certification
- 95 6 NYCRR Subpart 201-6: Compliance Certification
- 96 6 NYCRR 231-2.2 (b): Compliance Certification
- 97 6 NYCRR 231-2.2 (b): Compliance Certification
- 98 6 NYCRR 231-2.2 (b): Compliance Certification
- 99 6 NYCRR 231-2.2 (b): Compliance Certification
- 100 40CFR 52.21(j), Subpart A: Compliance Certification
- 101 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00002,EP=00002,Proc=02B

- 102 6 NYCRR Subpart 201-6: Compliance Certification
- 103 6 NYCRR Subpart 201-6: Compliance Certification
- 104 6 NYCRR Subpart 201-6: Compliance Certification
- 105 6 NYCRR Subpart 201-6: Compliance Certification
- 106 6 NYCRR 231-2.2 (b): Compliance Certification
- 107 6 NYCRR 231-2.2 (b): Compliance Certification
- 108 6 NYCRR 231-2.2 (b): Compliance Certification
- 109 6 NYCRR 231-2.2 (b): Compliance Certification
- 110 40CFR 52.21(j), Subpart A: Compliance Certification
- 111 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00003

- 112 6 NYCRR 231-2.2 (b): Compliance Certification

EU=U-00003,EP=00003,Proc=03A

- 113 6 NYCRR Subpart 201-6: Compliance Certification
- 114 6 NYCRR Subpart 201-6: Compliance Certification
- 115 6 NYCRR 231-2.2 (b): Compliance Certification
- 116 6 NYCRR 231-2.2 (b): Compliance Certification
- 117 6 NYCRR 231-2.2 (b): Compliance Certification
- 118 6 NYCRR 231-2.2 (b): Compliance Certification
- 119 40CFR 52.21(j), Subpart A: Compliance Certification
- 120 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-00004

- 121 6 NYCRR 231-2.2 (b): Compliance Certification

EU=U-00004,EP=00004,Proc=04A

- 122 6 NYCRR Subpart 201-6: Compliance Certification
- 123 6 NYCRR Subpart 201-6: Compliance Certification



- 124 6 NYCRR 231-2.2 (b): Compliance Certification
- 125 6 NYCRR 231-2.2 (b): Compliance Certification
- 126 6 NYCRR 231-2.2 (b): Compliance Certification
- 127 6 NYCRR 231-2.2 (b): Compliance Certification
- 128 40CFR 52.21(j), Subpart A: Compliance Certification
- 129 40CFR 52.21(j), Subpart A: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 130 ECL 19-0301: Contaminant List
- 131 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 132 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 133 6 NYCRR 242-1.5: Compliance Demonstration
- 134 6 NYCRR 242-1.5: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

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

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

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

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

i. 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 4: Acceptable Ambient Air Quality
Effective between the dates of 01/04/2018 and 01/03/2023**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 4.1:

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

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

Condition 5: Fees
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 5.1:

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 6: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 6.1:

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 7: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 7.1:

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 8: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 8.1:

The Compliance Certification activity will be performed for the Facility.

Item 8.2:

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 9: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Item 9.2:

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:

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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 10: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 10.1:

The Compliance Certification activity will be performed for the Facility.

Item 10.2:

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 11: Recordkeeping requirements
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 11.1:

(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 12: Open Fires - Prohibitions
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 215.2



Item 12.1:

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 12.2

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 13: Maintenance of Equipment
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 200.7

Item 13.1:

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 1: Recycling and Salvage
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 1.1:

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 14: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 14.1:

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 2: Exempt Sources - Proof of Eligibility
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 2.1:

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 3: Trivial Sources - Proof of Eligibility
Effective between the dates of 01/04/2018 and 01/03/2023



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

Item 3.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 15.1:

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

Condition 16: Right to Inspect
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 16.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 01/04/2018 and 01/03/2023



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 01/04/2018 and 01/03/2023**

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 01/04/2018 and 01/03/2023**

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:



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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 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00001

Emission Unit Description:

Siemens V84.2 combustion turbine equipped with HR3 dry low-NOx burner, Si3D thermal performance upgrade, gas turbine air inlet cooling, selective catalytic reduction, water or steam injection for power augmentation when firing gas, water injection for NOx control when firing oil, and a heat recovery steam generator(HRSG).

Building(s): B41

Item 21.2:

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

Emission Unit: U-00002

Emission Unit Description:

Siemens V84.2 combustion turbine equipped with HR3 dry low-NOx burner, Si3D thermal performance upgrade, gas turbine air inlet cooling, selective catalytic reduction,

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water or steam injection for power augmentation when firing gas, water injection for NOx control when firing oil, and a heat recovery steam generator(HRSG).

Building(s): B41

Item 21.3:

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

Emission Unit: U-00003

Emission Unit Description:

EMERGENCY GENERATOR NUMBER 1.

Building(s): B41

Item 21.4:

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

Emission Unit: U-00004

Emission Unit Description:

EMERGENCY GENERATOR NUMBER 2.

Building(s): B41

Condition 22: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit of 1400 pounds for total CO emissions per start up period or fuel transfer event applies to the combustion turbines (CT). A start up period shall not exceed three hours (180 minutes) and fuel transfer event shall not exceed 1.5 hours (90 minutes). The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at facility for a period of at least five years.



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Manufacturer Name/Model Number: Siemens
Upper Permit Limit: 1400 pounds
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 23: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Total annual use of distillate oil (including Kerosene,
Jet A and Biofuels) for both turbines will not exceed
16.74 million gallons per year based on a daily rolling
basis.

Monitoring Frequency: DAILY
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 24: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

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

Emission Unit: U-00001

Emission Unit: U-00002



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

Item 24.2:

Compliance Certification shall include the following monitoring:

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

The emission limit of 300 pounds for total NOx emissions per shut down event not exceeding one hour (60 minutes) applies to the combustion turbines (CT). The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at facility for a period of at least five years.

Manufacturer Name/Model Number: Siemens
Upper Permit Limit: 300 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 25: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

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

Item 25.2:

Compliance Certification shall include the following monitoring:

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

The emission limit of 120 pounds for total CO emissions per shut down event not exceeding one hour (60 minutes) applies to the combustion turbines (CT). The emissions in excess of this limit shall be reported in the excess



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emissions report. All records shall be maintained at facility for a period of at least five years.

Manufacturer Name/Model Number: Siemens
Upper Permit Limit: 120 pounds
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2018.
Subsequent reports are due every 3 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 26.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

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

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit of 800 pounds for total NOx emissions per start up period or fuel transfer event applies to the combustion turbines (CT). A start up period shall not exceed three hours (180 minutes) and fuel transfer event shall not exceed 1.5 hours (90 minutes). The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at facility for a period of at least five years.

Manufacturer Name/Model Number: Siemens
Upper Permit Limit: 800 pounds
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.



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

Condition 27: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The gas turbines should only fire natural gas or distillate oil (distillate oil shall be defined as: #1 distillate, #2 distillate, kerosene, Jet A fuel, or Biofuels).

Monitoring Frequency: DAILY

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 28: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each gas turbine may operate between 50% and 100% load separately or simultaneously, except during periods of start-up and shutdown.

50% load corresponds to 60.5 MW per turbine.

Monitoring Frequency: DAILY

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).

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Condition 29: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 29.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The gas turbines are permitted to burn bio-gas from the Red Hook Water Treatment Plant in conjunction with natural gas. The facility should have a line mounted gas meter to measure bio-gas usage. This positive displacement meter should be sealed in place and will measure fuel continuously.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OTHER GASEOUS FUELS

Upper Permit Limit: 100 million cubic feet per year

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR
AS THE AVG OF THE PAST 24 OPERATING
HRS

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 30: Progress Reports Due Semiannually

Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 30.1:

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

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

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

Condition 31: Air pollution prohibited
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 31.1:

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 32: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 225-1.2

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:

Prior to July 1, 2016, the sulfur content of liquid fuel burned at the facility will not exceed 0.04 percent by weight. On and after July 1, 2016, the sulfur content of liquid fuel burned at the facility will not exceed 0.0015 percent by weight. The fuel type includes Distillate oil, Kerosene, Jet A and Biofuels. The monitoring frequency will comply with the requirements of 40 CFR 60.334(i).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

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 33: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 225-1.6

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:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement. The monitoring frequency will comply with the requirements of 40 CFR 60.334(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 34: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity. The



Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the two business days of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: ANNUALLY
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 35: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 35.1:

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

Emission Unit: U-00001

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Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-00004

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The total facility-wide annual NO_x emissions from Brooklyn Navy Yard Cogen Plant is capped to 145.77 tpy rolled daily. The emissions shall be calculated by using CEMS data for turbines and most recent stack test results for emergency generators.

Monitoring Frequency: DAILY

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 36: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Emission Unit: U-00004

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Total distillate oil use (including Kerosene, Jet A and Biofuels) for both the emergency generators is limited to 64,800 gallons per year, including routine testing, calculated as a 365-day rolling total.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

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Upper Permit Limit: 64800 gallons per year
Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
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 37: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 37.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Between May 1st and October 31st of each year, the total
operating time for distillate oil use in the gas turbines
is limited to no more than 96 hours (5760 minutes).

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 96 hours

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 38: Recordkeeping requirements.
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 38.1:

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 39: Facility files for subject sources.
Effective between the dates of 01/04/2018 and 01/03/2023

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 01/04/2018 and 01/03/2023

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: Prior notice.
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 41.1:

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

Condition 42: Opacity standard compliance testing.
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 42.1:

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 43: Circumvention.



Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 43.1:

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 44: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 60.332(b), NSPS Subpart GG

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator shall discharge to the atmosphere from a stationary gas turbine, emissions of nitrogen oxides in excess of the following:

$$\text{STD} = 0.0075 * [(14.4) / Y] + F$$

Where: STD = allowable nitrogen oxide emissions in percent volume at 15% excess oxygen on a dry basis,

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour) or the actual measured heat rate based on the lower heating value of the fuel as measured at actual peak load of the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour,

F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen % by weight, where F equals NOx % by volume

$$N \leq 0.015 : F = 0$$

$$0.015 < N \leq 0.1 : 0.04(N)$$

$$0.1 < N \leq 0.25 : 0.004 + 0.0067(N - 0.1)$$

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$N > 0.25 : 0.005$

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 45: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule.

The owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331 (u), regardless of whether an existing custom schedule approved by the Administrator for subpart GG requires such monitoring provided the requirements in 40 CFR 60.334 (h)(3) are met.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 46: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 46.1:

The Compliance Certification activity will be performed for the Facility.



Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start stationary RICE located at an area source of HAP emissions must comply with maintenance procedures.

Compression ignition emergency and black start stationary RICE must:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Spark ignition emergency and black start stationary RICE must:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Compliance for all emergency and black start stationary RICE must be demonstrated as follows:

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Fuel requirements for existing emergency stationary CI RICE



Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 63.6604, Subpart ZZZZ

Item 47.1:

Beginning January 1, 2015, the owner or operator of an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR 63.6640(f)(4)(ii) must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

Condition 48: Compliance required at all times
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 48.1:

Facility must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that apply to them at all times.

Condition 49: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 49.1:

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

Condition 50: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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

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

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;

(5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;

(6) An existing non-emergency, non-black start stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

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

(10) An existing, non-emergency, non-black start 4 stroke



rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 52.1:

The Compliance Certification activity will be performed for the Facility.

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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ZZZZ apply.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 53.1:

The Compliance Certification activity will be performed for the Facility.

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to subpart ZZZZ or in items 1 or 4 of Table 2d to subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 63.6650(h), Subpart ZZZZ

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary RICE with a site rating greater than 100 brake horsepower that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) or that



operates for the purpose specified in 40 CFR 63.6640(f)(4)(ii) must submit an annual report according to the requirements in (1) through (3).

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purpose specified in 40 CFR 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically



The low and high range CO monitors will comply with the requirements of 40 CFR 60 for CO monitors except as noted below:

- The frequency of the CGA and RATA QA assessments of the CO monitor will be performed in accordance with the linearity and RATA frequencies in 40 CFR Part 75, Appendix B, respectively; except that the RATA will be performed once every four successive QA operating quarters.
- There is no requirement to perform a RATA on the CO high range monitor.
- Data validation criteria for daily calibration drift tests on the CO analyzers will be performed in accordance with data validation criteria for NO_x monitors in 40 CFR Part 75 meaning that the data will be marked invalid prospectively due to an out of control period resulting from a failed daily calibration.
- Invalid or missing CO data will be substituted using the 40 CFR Part 75 missing data substitution procedure for SO₂ analyzers to account for all emissions in the annual emissions calculations. However, the missing data periods will be reported as downtime in the quarterly EER.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of NO_x or CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Monitoring Frequency: CONTINUOUS
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 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40 CFR Part 75

Item 58.1:
The Compliance Certification activity will be performed for the Facility.

Item 58.2:
Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BNYCP should maintain a file of all measurements, including CEM system performance evaluations; all CEM systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 75 recorded in a permanent form suitable for inspection. The file should be retained for at least five years following the date of such measurement, maintenance, reports, and records.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 59: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 59.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOX Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data



accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NO_x Annual allowances and to determine compliance with the TR NO_x Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Annual facility and each TR NO_x Annual Unit at the facility shall hold, in the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 60.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of



this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Ozone Season source (facility) and each TR NOx Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NOx Ozone Season allowances and to determine compliance with the TR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Ozone Season facility and each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 61.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 61.2:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO₂ Group 1 source (facility) and each TR SO₂ Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities' compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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



Condition 62: Emission Point Definition By Emission Unit
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 62.1:

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

Emission Unit: U-00001

Emission Point: 00001
Height (ft.): 310 Diameter (in.): 204
NYTMN (km.): 4505.923 NYTME (km.): 586.533 Building: B41

Item 62.2:

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

Emission Unit: U-00002

Emission Point: 00002
Height (ft.): 310 Diameter (in.): 204
NYTMN (km.): 4505.923 NYTME (km.): 586.533 Building: B41

Item 62.3:

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

Emission Unit: U-00003

Emission Point: 00003
Height (ft.): 135 Diameter (in.): 14
NYTMN (km.): 4505.923 NYTME (km.): 586.533 Building: B41

Item 62.4:

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

Emission Unit: U-00004

Emission Point: 00004
Height (ft.): 135 Diameter (in.): 14
NYTMN (km.): 4505.923 NYTME (km.): 586.533 Building: B41

Condition 63: Process Definition By Emission Unit
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 63.1:

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

Emission Unit: U-00001
Process: 01A Source Classification Code: 2-02-001-01

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Facility DEC ID: 2610100185



Process Description:

COMBUSTION OF DISTILLATE OIL DURING LOAD
OPERATIONS BETWEEN 50% TO 100% LOAD.

Emission Source/Control: 00011 - Combustion
Design Capacity: 1,503 million Btu per hour

Emission Source/Control: 00012 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00013 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 00015 - Control
Control Type: WATER INJECTION

Item 63.2:

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

Emission Unit: U-00001

Process: 01B

Source Classification Code: 2-02-002-01

Process Description:

COMBUSTION OF NATURAL GAS DURING LOAD
OPERATIONS BETWEEN 50% TO 100% LOAD.

Emission Source/Control: 00011 - Combustion
Design Capacity: 1,503 million Btu per hour

Emission Source/Control: 00012 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00013 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 63.3:

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

Emission Unit: U-00002

Process: 02A

Source Classification Code: 2-02-001-01

Process Description:

COMBUSTION OF DISTILLATE OIL, KEROSENE,
JET A FUEL, BIOFUELS DURING LOAD OPERATIONS
BETWEEN 50% TO 100% LOAD.

Emission Source/Control: 00021 - Combustion
Design Capacity: 1,503 million Btu per hour

Emission Source/Control: 00022 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00023 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Emission Source/Control: 00025 - Control
Control Type: WATER INJECTION

Item 63.4:

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

Emission Unit: U-00002
Process: 02B Source Classification Code: 2-02-002-01
Process Description:
COMBUSTION OF NATURAL GAS DURING LOAD
OPERATIONS BETWEEN 50% TO 100% LOAD.

Emission Source/Control: 00021 - Combustion
Design Capacity: 1,503 million Btu per hour

Emission Source/Control: 00022 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 00023 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 63.5:

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

Emission Unit: U-00003
Process: 03A Source Classification Code: 2-02-001-04
Process Description: COMBUSTION OF DISTILLATE FUEL OIL.

Emission Source/Control: 00031 - Combustion
Design Capacity: 2,010 horsepower (mechanical)

Item 63.6:

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

Emission Unit: U-00004
Process: 04A Source Classification Code: 2-02-001-04
Process Description:
COMBUSTION OF DISTILLATE FUEL OIL,
KEROSENE, JET A FUEL, BIOFUELS .

Emission Source/Control: 00041 - Combustion
Design Capacity: 2,010 horsepower (mechanical)

Condition 64: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 64.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Startup shall be defined as that period of time from the initiation of fuel flow to the combustion turbine (i.e. flame on) until the turbine reaches steady state operations and emissions are properly controlled. A startup shall not exceed 180 minutes.

Shutdown shall be defined as that period of time from when the combustion turbine drops out of steady state operations to the cessation of fuel flow to the combustion turbine (flame off). A shutdown time shall not exceed 60 minutes.

Fuel transfer shall be defined as the period of time from the initiation of the transfer process in the combustion turbine between liquid and gaseous fuels to the completion of the process. The duration of exemption from the steady state, normal operation emission limits during the fuel transfer shall not exceed 90 minutes.

The emissions during the partial hours immediately preceding and after startups, shutdowns, and fuel transfers are not included in the compliance demonstration against hourly emissions limits.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The two turbines combined total of full load hours of operation shall be limited to 17,082 hours. The facility



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shall maintain a daily written record or an electronic log of hours of operation of each turbine.

Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
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 66: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 66.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 66.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
BNYCP will continuously measure and record ambient air temperature at the facility. Such measurements will be accurate within +/- 1 deg F.

Monitoring Frequency: CONTINUOUS
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 67: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 67.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each turbine shall not exceed 121 MW when firing distillate oil or gas. The turbines will fire only

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natural gas or distillate oil. (Distillate oil is defined as: #1 distillate, #2 distillate, kerosene, Jet A fuel, or Biofuels).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 68: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

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

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 69: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 69.1:

The Compliance Certification activity will be performed for:



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Facility DEC ID: 2610100185

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 32.0 pounds per hour

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 70: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

BNYCP should calibrate, maintain, and operate a
Continuous Emission Monitoring (CEM) and recording system
to measure CO in the gas turbine exhaust stack which
should meet the requirements of 40 CFR 75.

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BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 18.0 pounds per hour

Reference Test Method: CFR Part 75

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 71: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 01A

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should



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include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: CFR Part 75

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 72: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: 01A

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: VOC

Upper Permit Limit: 0.007 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 73: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure NO_x in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of NO_x, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: OXIDES OF NITROGEN

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

Reference Test Method: CFR Part 75

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).

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Condition 74: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure NO_x in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of NO_x, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 58.0 pounds per hour

Reference Test Method: 40 CFR Part 75

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 75: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: VOC

Upper Permit Limit: 10.0 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 76: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load. Emission testing for this pollutant for
Units U-0001 and U-0002 will be conducted on one unit each



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permit term. In each subsequent permit term the alternate unit will be tested. The results of testing will be representative of both the units.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: PM-10
Upper Permit Limit: 13.5 pounds per hour
Reference Test Method: CFR Part 60 Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
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 77: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01A

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load. Emission testing for this pollutant for Units U-0001 and U-0002 will be conducted on one unit each permit term. In each subsequent permit term the alternate unit will be tested. The results of testing will be representative of both the units.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: PM-10
Upper Permit Limit: 0.020 pounds per million Btus
Reference Test Method: CFR Part 60 Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.

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

Condition 78: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01B

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load
during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 32.0 pounds per hour

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 79: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01B

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

Item 79.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 10.0 parts per million (by volume)

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 80: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 01B

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

-a summary of excess emissions and CEMs downtime;

-the result of the quarterly monitoring performance audit;

-excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass

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or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 11.0 pounds per hour

Reference Test Method: CFR Part 75 Method

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 81: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 01B

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

-a summary of excess emissions and CEMs downtime;

-the result of the quarterly monitoring performance audit;

-excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE



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Upper Permit Limit: 4.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: CFR Part 75 Method
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 82: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01B

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load
during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: VOC

Upper Permit Limit: 2.6 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 83: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



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Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Process: 01B

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: VOC

Upper Permit Limit: 0.002 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 84: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 01B

Regulated Contaminant(s):

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

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure NOx in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to



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- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of NOx, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3.5 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: CFR Part75

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 86: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01B

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

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load. Emission testing to be performed upon request by NYSDEC.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: PM-10

Upper Permit Limit: 5.1 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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 01/04/2018 and 01/03/2023

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

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 01B

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

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load. Emission testing to be performed upon request by NYSDEC.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: PM-10

Upper Permit Limit: 0.004 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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 88: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Startup shall be defined as that period of time from the initiation of fuel flow to the combustion turbine (i.e. flame on) until the turbine reaches steady state operations and emissions are properly controlled. A startup shall not exceed 180 minutes.

Shutdown shall be defined as that period of time from when the combustion turbine drops out of steady state operations to the cessation of fuel flow to the combustion turbine (flame off). A shutdown time shall not exceed 60 minutes.

Fuel transfer shall be defined as the period of time from the initiation of the transfer process in the combustion turbine between liquid and gaseous fuels to the completion of the process. The duration of exemption from the steady state, normal operation emission limits during the fuel transfer shall not exceed 90 minutes.

The emissions during the partial hours immediately preceding and after startups, shutdowns, and fuel transfers are not included in the compliance demonstration against hourly emissions limits.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 89: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The two turbines combined total of full load hours of operation shall be limited to 17,082 hours. The facility shall maintain a daily written record or an electronic log of hours of operation of each turbine.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.



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Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

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

Condition 90: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EACH TURBINE SHALL NOT EXCEED 121 MW
WHEN FIRING DISTILLATE OIL OR GAS. THE
TURBINES WILL FIRE ONLY NATURAL GAS OR
DISTILLATE OIL. (DISTILLATE OIL IS
DEFINED AS: #1 DISTILLATE, #2 DISTILLATE,
KEROSENE, JET A FUEL OR BIOFUELS.)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 91: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BNYCP WILL CONTINUOUSLY MEASURE AND
RECORD AMBIENT AIR TEMPERATURE AT THE
FACILITY. SUCH MEASUREMENTS WILL BE
ACCURATE WITHIN +/- 1 DEG F.

Monitoring Frequency: CONTINUOUS



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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 92: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 10.0 parts per million by volume

(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 93: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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



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Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 32.0 pounds per hour

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 94: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: 02A

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission Limit during Oil Firing at 30 degrees F and 50% to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 18.0 pounds per hour

Reference Test Method: CFR Part 60 Method

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 95: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: CFR Part 75 Method

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

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to 100% load.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: VOC
Upper Permit Limit: 10.0 pounds per hour
Reference Test Method: CFR Part 60 Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
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 98: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 98.2:

Compliance Certification shall include the following monitoring:

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

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

BNYCP should calibrate, maintain, and operate a
Continuous Emission Monitoring (CEM) and recording system
to measure NO_x in the gas turbine exhaust stack which
should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to
NYSDEC for every calendar year quarter, which should
include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance
audit;
- excess emission should be identified as any one-hour
block period during which the average emissions of NO_x, as
measured by the CEM system, exceeds the corresponding mass
or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine



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Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 58.0 pounds per hour
Reference Test Method: CFR Part 75
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 99: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50%
to 100% load.

BNYCP should calibrate, maintain, and operate a
Continuous Emission Monitoring (CEM) and recording system
to measure NOx in the gas turbine exhaust stack which
should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to
NYSDEC for every calendar year quarter, which should
include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance
audit;
- excess emission should be identified as any one-hour
block period during which the average emissions of NOx, as
measured by the CEM system, exceeds the corresponding mass
or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: OXIDES OF NITROGEN

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



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Reference Test Method: CFR Part 75
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 100: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load. Emission testing for this pollutant for Units U-0001 and U-0002 will be conducted on one unit each permit term. In each subsequent permit term the alternate unit will be tested. The results of testing will be representative of both the units.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: PM-10

Upper Permit Limit: 13.5 pounds per hour

Reference Test Method: 40 CFR Part 60 Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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 101: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 101.1:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02A

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

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing at 30 degrees F and 50% to 100% load. Emission testing for this pollutant for Units U-0001 and U-0002 will be conducted on one unit each permit term. In each subsequent permit term the alternate unit will be tested. The results of testing will be representative of both the units.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: PM-10

Upper Permit Limit: 0.020 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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 102: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

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

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 103: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: 02B

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load
during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: AMMONIA

Upper Permit Limit: 32.0 pounds per hour

Reference Test Method: 40 CFR Part 75 Method

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

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 104: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 11.0 pounds per hour

Reference Test Method: CFR Part 75 Method

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 105: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Process: 02B

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure CO in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of CO, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 4.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: CFR Part 75 Method

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 106: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: 02B

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

CAS No: 0NY998-00-0 VOC

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: VOC

Upper Permit Limit: 2.6 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 107: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: 02B

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:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure NOx in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

-a summary of excess emissions and CEMs downtime;



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Permit ID: 2-6101-00185/00008

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- the result of the quarterly monitoring performance audit;
- excess emission should be identified as any one-hour block period during which the average emissions of NOx, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3.5 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: CFR Part 75

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 108: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load.

BNYCP should calibrate, maintain, and operate a Continuous Emission Monitoring (CEM) and recording system to measure NOx in the gas turbine exhaust stack which should meet the requirements of 40 CFR 75.

BNYCP should submit a quarterly written CEM report to NYSDEC for every calendar year quarter, which should include:

- a summary of excess emissions and CEMs downtime;
- the result of the quarterly monitoring performance

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



audit;
-excess emission should be identified as any one-hour block period during which the average emissions of NO_x, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 16.0 pounds per hour
Reference Test Method: CFR Part 75
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 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit at 30 degrees F and 50% to 100% load during Natural Gas or Bio-Gas firing.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: VOC
Upper Permit Limit: 0.002 pounds per million Btus
Reference Test Method: CFR Part 60 Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
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 110: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023



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

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load. Emission testing to be performed upon request by NYSDEC.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine

Parameter Monitored: PM-10

Upper Permit Limit: 5.1 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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 111: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 02B

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

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Emission limit during Natural Gas or Bio-Gas Firing at 30 degrees F and 50% to 100% load. Emission testing to be performed upon request by NYSDEC.

Manufacturer Name/Model Number: Siemens V84.2 Gas Turbine
Parameter Monitored: PM-10
Upper Permit Limit: 0.004 pounds per million Btus
Reference Test Method: CFR Part 60 Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
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 112: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 112.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 112.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
THE EMERGENCY GENERATORS WILL ONLY FIRE
DISTILLATE OIL AND WILL NOT OPERATE IN
CONJUNCTION WITH ONE OR MORE COMBUSTION
TURBINES EXCEPT DURING PERIODS OF LIMITED
TESTING.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 113.1:
The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Emission Unit: U-00003
Process: 03A

Emission Point: 00003

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

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1.92 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 114: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: 03A

Emission Point: 00003

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

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.13 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: VOC

Upper Permit Limit: 0.032 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 117: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 00003

Process: 03A

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: VOC

Upper Permit Limit: 0.48 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 118: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 00003
Process: 03A

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

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.2 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 119: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 00003
Process: 03A

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

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: PM-10

Upper Permit Limit: 0.06 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Reference Test Method: EPA Test Methods 5 and 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
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 120: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 00003
Process: 03A

Regulated Contaminant(s):
CAS No: ONY075-00-5 PM-10

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator
Parameter Monitored: PM-10
Upper Permit Limit: 0.91 pounds per hour
Reference Test Method: EPA Test Methods 5 and 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
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 121: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Item 121.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE EMERGENCY GENERATORS WILL ONLY FIRE DISTILLATE OIL AND WILL NOT OPERATE IN CONJUNCTION WITH ONE OR MORE COMBUSTION TURBINES EXCEPT DURING LIMITED TESTING PERIODS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 122: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Emission Point: 00004

Process: 04A

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1.92 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 123: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A

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

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.13 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 124: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: VOC

Upper Permit Limit: 0.032 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Reference Test Method: CFR Part 60 Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
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 125: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A

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

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing. Emission testing to be performed upon request by NYSDEC.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 32.1 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 126: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement:6 NYCRR 231-2.2 (b)

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A



New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185

Regulated Contaminant(s):

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

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.2 pounds per million Btus

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 127: Compliance Certification

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable Federal Requirement: 6 NYCRR 231-2.2 (b)

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Emission Point: 00004

Process: 04A

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: VOC

Upper Permit Limit: 0.48 pounds per hour

Reference Test Method: CFR Part 60 Method

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 128: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A

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

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: PM-10

Upper Permit Limit: 0.06 pounds per million Btus

Reference Test Method: EPA Test Method 5 and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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 129: Compliance Certification
Effective between the dates of 01/04/2018 and 01/03/2023

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

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004
Process: 04A

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

Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6101-00185/00008

Facility DEC ID: 2610100185



Emission limit during Oil Firing.

Manufacturer Name/Model Number: 1500 KW Oil Firing Emergency Generator

Parameter Monitored: PM-10

Upper Permit Limit: 0.91 pounds per hour

Reference Test Method: EPA Test Method 5 and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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).



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 130: Contaminant List

Effective between the dates of 01/04/2018 and 01/03/2023

Applicable State Requirement:ECL 19-0301

Item 130.1:

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: 0NY075-00-5
Name: PM-10

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

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

Condition 131: Malfunctions and start-up/shutdown activities

Effective between the dates of 01/04/2018 and 01/03/2023



Applicable State Requirement:6 NYCRR 201-1.4

Item 131.1:

(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 132: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 01/04/2018 and 01/03/2023**

Applicable State Requirement:6 NYCRR 242-1.5

Item 132.1:

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

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



NYCRR Part 242-6.5(d)(2).

Condition 133: Compliance Demonstration
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable State Requirement:6 NYCRR 242-1.5

Item 133.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 133.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

(5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO₂ allowance was allocated. A CO₂ offset



allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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

Condition 134: Compliance Demonstration
Effective between the dates of 01/04/2018 and 01/03/2023

Applicable State Requirement:6 NYCRR 242-1.5

Item 134.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 134.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(i) The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such

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10-year period until such documents are superseded because of the submission of a new account certificate of representation.

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

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

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

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2018.

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