



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6007-00259/00033  
Effective Date: 01/03/2013 Expiration Date: 01/02/2018

Permit Issued To: NYC DEPT OF CORRECTION  
75-20 ASTORIA BLVD  
EAST ELMHURST, NY 11370-3001

Contact: GREGORY MCLAUGHLIN  
NYC DEPARTMENT OF CORRECTION  
13-11 HAZEN ST  
EAST ELMHURST, NY 11370  
(718) 546-1429

Facility: NYC-DOC - RIKERS ISLAND  
17-25 HAZEN ST  
EAST ELMHURST, NY 11370

Contact: CURTIS PIERRE  
NYC-DOC SUPPORT SERVICES DIVISION  
17-25 HAZEN ST  
EAST ELMHURST, NY 11370  
(718) 546-1488

**Description:**

The New York City Department of Correction (NYC DOC) maintains a prison facility on Rikers Island in the East River, near both the boroughs of Queens and the Bronx. A power house operates in a separate structure on the Island, producing steam to provide heat for the entire Island as well as process steam for the laundry. The powerhouse has eight boilers with a capacity 96 mmBtu/hr each firing natural gas or distillate oil as backup. The facility also operates a spray booth for painting repaired parts of buses and vehicles for the DOC, and nineteen internal combustion engines, in a peak load management program with Con Edison. The VOC (volatile organic compound) emissions from the Spray booth and NOx (oxides of nitrogen) emissions from nineteen engines are limited to 2.5 tpy and 22.5 tpy respectively. Facility also received a permit on 12/22/2011 to construct and operate a new cogeneration plant consists of two 7.5 MW Solar Taurus 70-10301S natural gas fired simple cycle gas turbines equipped with duct firing heat recovery steam generators, and one 2 MW emergency black start engine generator.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2600700259**



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

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

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



## **LIST OF CONDITIONS**

### **DEC GENERAL CONDITIONS**

#### **General Provisions**

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

#### **Facility Level**

Submission of application for permit modification or renewal -

REGION 2 HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

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

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be



submitted prior to actual transfer of ownership.

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

**Item 4.1:**

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

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

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

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

**Item 5.1:**

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6007-00259/00033**

**Facility DEC ID: 2600700259**



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC DEPT OF CORRECTION  
75-20 ASTORIA BLVD  
EAST ELMHURST, NY 11370-3001

Facility: NYC-DOC - RIKERS ISLAND  
17-25 HAZEN ST  
EAST ELMHURST, NY 11370

Authorized Activity By Standard Industrial Classification Code:  
5541 - GASOLINE SERVICE STATIONS  
7532 - TOP AND BODY REPAIR AND PAINT SHOPS  
9223 - CORRECTIONAL INSTITUTIONS

Permit Effective Date: 01/03/2013

Permit Expiration Date: 01/02/2018



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40 CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 202-1.2: Notification
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 225-1.7 (e): Compliance Certification
- 26 6 NYCRR 225.1 (a) (3): Compliance Certification
- 27 6 NYCRR 225.7 (a): Compliance Certification
- 28 40 CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 29 40 CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used
- 30 40 CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 31 40 CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 32 40 CFR 60.8(d), NSPS Subpart A: Prior notice.
- 33 40 CFR 60.4211(a), NSPS Subpart IIII: Compliance Certification

#### Emission Unit Level

- 34 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 35 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 36 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 37 6 NYCRR Subpart 201-7: Process Permissible Emissions
- 38 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

EU=U-00001



**New York State Department of Environmental Conservation**

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- 39 6 NYCRR 231-10.5: Compliance Certification
- 40 6 NYCRR 231-10.5: Compliance Certification
- 41 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 42 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 43 40CFR 60.48c, NSPS Subpart Dc: Recordkeeping and reporting.

**EU=U-00001,EP=U0001**

- 44 6 NYCRR 227-1.3 (a): Compliance Certification
- 45 6 NYCRR 227-1.4 (b): Compliance Certification
- 46 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 47 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.

**EU=U-00001,EP=U0001,Proc=002**

- 48 6 NYCRR 227.2 (b) (1): Compliance Certification

**EU=U-00002**

- 49 6 NYCRR 231-10.5: Compliance Certification
- 50 6 NYCRR 231-10.5: Compliance Certification
- 51 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 52 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 53 40CFR 60.48c, NSPS Subpart Dc: Recordkeeping and reporting.

**EU=U-00002,EP=U0002**

- 54 6 NYCRR 227-1.3 (a): Compliance Certification
- 55 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.

**EU=U-00002,EP=U0002,Proc=004**

- 56 6 NYCRR 227.2 (b) (1): Compliance Certification

**EU=U-00003**

- 57 6 NYCRR 231-10.5: Compliance Certification
- 58 6 NYCRR 231-10.5: Compliance Certification
- 59 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 60 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 61 40CFR 60.48c, NSPS Subpart Dc: Recordkeeping and reporting.

**EU=U-00003,EP=U0003**

- 62 6 NYCRR 227-1.3 (a): Compliance Certification
- 63 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.

**EU=U-00003,EP=U0003,Proc=006**

- 64 6 NYCRR 227.2 (b) (1): Compliance Certification

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**EU=U-00009**

65 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00009,Proc=00P,ES=0000P**

66 6 NYCRR 228-1.5: Compliance Certification

**EU=U-00009,EP=00009**

67 6 NYCRR 228-1.4: Compliance Certification

**EU=U-00009,EP=00009,Proc=00P,ES=0000P**

68 6 NYCRR 228-1.8: Compliance Certification

69 6 NYCRR 228-1.8: Compliance Certification

70 6 NYCRR 227-1.3 (a): Compliance Certification

**EU=U-00010,Proc=GEN**

\*71 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=U-00010,EP=00010,Proc=GEN**

72 6 NYCRR 227.2 (b) (1): Compliance Certification

**EU=U-00011**

73 6 NYCRR Subpart 201-6: Compliance Certification

74 6 NYCRR Subpart 201-6: Compliance Certification

75 6 NYCRR Subpart 201-6: Compliance Certification

\*76 6 NYCRR Subpart 201-7: Capping Monitoring Condition

\*77 6 NYCRR Subpart 201-7: Capping Monitoring Condition

78 6 NYCRR 227-1.3 (a): Compliance Certification

**EU=U-00011**

79 6 NYCRR 231-6.2: Compliance Certification

80 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification

81 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification

82 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing methodology

**EU=U-00011,Proc=007**

83 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification

84 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NOx

85 40CFR 60.4415, NSPS Subpart KKKK: Compliance Certification

**EU=U-00011,Proc=007,ES=00029**

86 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification

**EU=U-00011,Proc=007,ES=00030**

87 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification

**EU=U-00011,Proc=008,ES=00033**

88 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification

89 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification

90 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification

91 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification

92 40CFR 60.4209(a), NSPS Subpart IIII: Compliance Certification



93 40CFR 60.4211(e), NSPS Subpart IIII: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 94 ECL 19-0301: Contaminant List
- 95 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 96 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 97 6 NYCRR 211.2: Visible Emissions Limited
- 98 6 NYCRR 227-2.4 (f) (3): Compliance Demonstration
- 99 6 NYCRR 227-2.5 (b): Compliance Demonstration
- 100 6 NYCRR 227-2.5 (c): Compliance Demonstration
- 101 6 NYCRR 227-2.5 (c): Compliance Demonstration

**Emission Unit Level**

**EU=U-00010,EP=00010,Proc=GEN,ES=00010**

- 102 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00011,Proc=GEN,ES=00011**

- 103 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00012,Proc=GEN,ES=00012**

- 104 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00013,Proc=GEN,ES=00013**

- 105 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00014,Proc=GEN,ES=00014**

- 106 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00015,Proc=GEN,ES=00015**

- 107 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00016,Proc=GEN,ES=00016**

- 108 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00017,Proc=GEN,ES=00017**

- 109 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00018,Proc=GEN,ES=00018**

- 110 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00019,Proc=GEN,ES=00019**

- 111 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00020,Proc=GEN,ES=00020**

- 112 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00022,Proc=GEN,ES=00022**

- 113 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00024,Proc=GEN,ES=00024**

- 114 6 NYCRR 227-2.5 (c): Compliance Demonstration

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**EU=U-00010,EP=00025,Proc=GEN,ES=00025**

115 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00010,EP=00027,Proc=GEN,ES=00027**

116 6 NYCRR 227-2.5 (c): Compliance Demonstration

**EU=U-00011,Proc=008,ES=00033**

117 6 NYCRR 227-2.4 (f) (6): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



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

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

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

# New York State Department of Environmental Conservation

Permit ID: 2-6007-00259/00033

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

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

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

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

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

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

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

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



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

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

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

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

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

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

**Item L: Permit Exclusion - ECL 19-0305**

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





(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Fees**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 2.1:**

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

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 3.1:**

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

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

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

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 4.1:**

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

**Condition 5: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (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

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written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under 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 shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

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 4/30/2013.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

NYSDEC  
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 10/30/2013.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air

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Resources, Bureau of Air Quality Planning, 625 Broadway,  
Albany NY 12233-3251

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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 8.1:**

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

- (1) a copy of each emission statement submitted to the department; and
  - (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.
- (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**

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

**Item 9.2**

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

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



until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 10: Maintenance of Equipment  
Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage  
Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 11.1:**

Where practical, any person who owns or operates an air contamination source shall recycle or



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salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 13.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 14: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 15: Standard Requirement - Provide Information**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 15.1:**

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for

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modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 16.1:**

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

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

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 17.1:**

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 18: Off Permit Changes**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 18.1:**

No permit revision will be required for operating changes that contravene an express permit

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term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

**Condition 19: Required Emissions Tests**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 19.1:**

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

**Condition 20: Accidental release provisions.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 20.1:**

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 21:     Recycling and Emissions Reduction**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 21.1:**

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 22:     Emission Unit Definition**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 22.1:**

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

Emission Unit: U-00001

Emission Unit Description:

THIS EMISSION UNIT IS COMPRISED OF 4  
KEELER 96 MMBTU/HR BOILERS, EACH CAPABLE OF  
PRODUCING 70,000 LB/HR OF 150 PSI STEAM.  
EACH BOILER IS RETROFITTED WITH TWO LOW NOX  
B BURNERS. THE FOUR BOILERS DISCHARGE  
THROUGH A COMMON STACK. EMISSION SOURCES  
LISTED UNDER THIS EMISSION UNIT 00001,  
00002, 00003 AND 00004 ARE THE BOILERS  
NUMBERED AS 6,7,8 & 9 IN THE NOX RACT  
AVERAGING COMPLIANCE PLAN SUBMITTED ON  
10/5/01. OPERATION OF THESE FOUR BOILERS  
IS BEING CURTAILED AND ERCS ARE BEING  
APPLIED FOR AND USED AS INTERNAL OFFSETS.

Building(s): 14

**Item 22.2:**

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

Emission Unit: U-00002

Emission Unit Description:

THIS EMISSION UNIT IS COMPRISED OF 2  
KEELER 96 MMBTU/HR BOILERS, EACH CAPABLE OF  
PRODUCING 70,000 LB/HR OF 150 PSI STEAM.

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EACH BOILER IS RETROFITTED WITH TWO LOW NOX BURNERS. THE TWO BOILERS DISCHARGE THROUGH A COMMON STACK. EMISSION SOURCES LISTED UNDER THIS EMISSION UNIT 00005 AND 00006 ARE THE BOILERS NUMBERED AS 2 & 3 IN THE NOX RACT AVERAGING COMPLIANCE PLAN SUBMITTED ON 10/5/01. OPERATION OF THESE TWO BOILERS IS BEING CURTAILED AND ERCS ARE BEING APPLIED FOR AND USED AS INTERNAL OFFSETS.

Building(s): 14

**Item 22.3:**

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

Emission Unit: U-00003

Emission Unit Description:

THIS EMISSION UNIT IS COMPRISED OF ONE KEELER 96 MMBTU/HR BOILER, AND ONE UNION IRON WORKS BOILER, EACH CAPABLE OF PRODUCING 70,000 LB/HR OF 150 PSI STEAM. EACH BOILER IS RETROFITTED WITH TWO LOW NOX BURNERS. THE TWO BOILERS DISCHARGE THROUGH A COMMON STACK. EMISSION SOURCES LISTED UNDER THIS EMISSION UNIT, 00007, 00008 ARE THE BOILERS NUMBERED AS 4 & 5 IN THE NOX RACT AVERAGING COMPLIANCE PLAN SUBMITTED ON 10/5/01. OPERATION OF THESE TWO BOILERS IS BEING CURTAILED AND ERCS ARE BEING APPLIED FOR AND USED AS INTERNAL OFFSETS.

Building(s): 14

**Item 22.4:**

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

Emission Unit: U-00009

Emission Unit Description:

A spray paint booth has been installed in the garage for motor vehicle refinishing. The spray paint booth is used 4 hrs/day, 235 days/yr. Emission exhaust stack will be located above the roof of the garage.

Building(s): GARAGE

**Item 22.5:**

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

Emission Unit: U-00010

Emission Unit Description:

This unit consists of nineteen (19) generators ( four 1100 KW, two 800 KW, three 900KW, one 625 KW, and nine 1150 KW), which are permitted to participate in NYPA sponsored CDRP/PLM programs during the power peak seasons

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at NOx emission rate of 2.3 gm/bhp-hr. Fifteen(15) of these generators were tested in May 2008 which performed at above 2.3 gm/bhp-hr and below 9.0gm/bhp-hr. PM emissions were below 0.1 lbs/mmbtu. The emission factors used in calculating below emissions are tested values (NOx only). For the four(4) generators are not tested, the factor used is 9.0 gm/bhp-hr. Testing of these four generators will be performed at a later date based on DEC's approval and will not participate in PLM/CDRP until a variance/approval is sought. Also note that each generator has individual exhaust.

Building(s): GRVC  
OBCC  
RMSC  
WF

**Item 22.6:**

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

Emission Unit: U-00011

Emission Unit Description:

THIS EMISSION UNIT IS COMPRISED OF THE COGENERATION PLANT EQUIPMENT, WHICH INCLUDES TWO NEW 7.5 MW SIMPLE CYCLE NATURAL GAS-FIRED TURBINES EQUIPPED WITH DUCT FIRING HEAT RECOVERY STEAM GENERATORS, AND ONE 2000 KW EMERGENCY BLACKSTART GENERATOR. EACH TURBINE WILL HAVE INDIVIDUAL EXHAUST STACK, A MAIN STACK FOR THE EXHAUST FROM THE DUCT FIRING HRSGS. THE MAIN STACK WOULD BE APPROXIMATELY 150 FEET HIGH. THE EMERGENCY BLACKSTART GENERATOR IS A 2000 KW GENERATOR THAT WOULD BE USED TO KICK-START THE TURBINES IN AN EMERGENCY SITUATION ONLY.

Building(s): 15

**Condition 23: Notification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 202-1.2**

**Item 23.1:**

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

**Condition 24: Air pollution prohibited**

**Effective between the dates of 01/03/2013 and 01/02/2018**



**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 24.1:**

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 25: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 225-1.7 (e)**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Facility must submit written report of the fuel sulfur content exceeding the applicable sulfur-in fuel limitation, the nature and cause of such excess if known, for each calendar quarter.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Monitoring Frequency: PER DELIVERY

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 4/30/2013.

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

**Condition 26: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 225.1 (a) (3)**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

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**Facility DEC ID: 2600700259**



Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has sulfur content greater than 0.20 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 27: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 225.7 (a)**

**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 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.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 28: Date of construction notification - If a COM is not used.**

**Effective between the dates of 01/03/2013 and 01/02/2018**





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

**Item 28.1:**

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

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

**Condition 29:     Date of Construction Notification - if a COM is used**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 29.1:**

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

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

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less than 30 days prior to such date, if a continuous opacity monitor is not being used at the facility; and

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

**Condition 30: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 31: Performance testing timeline.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 31.1:**

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

**Condition 32: Prior notice.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 32.1:**

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

**Condition 33: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4211(a), NSPS Subpart III**

**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 owner or operator and must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must operate and maintain the stationary compression ignition internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

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

**Condition 34: Emission Point Definition By Emission Unit**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 34.1:**

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

Emission Unit: U-00001

Emission Point: U0001

Height (ft.): 182

Diameter (in.): 123

NYTMN (km.): 4516.6

NYTME (km.): 593.6

Building: 14

**Item 34.2:**

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

Emission Unit: U-00002

Emission Point: U0002

Height (ft.): 185

Diameter (in.): 123

NYTMN (km.): 4516.6

NYTME (km.): 593.6

Building: 14

**Item 34.3:**

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

Emission Unit: U-00003

Emission Point: U0003

Height (ft.): 170

Diameter (in.): 84

NYTMN (km.): 4516.6

NYTME (km.): 593.6

Building: 14

**Item 34.4:**

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

Emission Unit: U-00009

Emission Point: 00009

Height (ft.): 30

Diameter (in.): 48

NYTMN (km.): 4516.2

NYTME (km.): 594.

**Item 34.5:**

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

Emission Unit: U-00010

Emission Point: 00010

Height (ft.): 110

Diameter (in.): 10

NYTMN (km.): 4516.6

NYTME (km.): 593.6

Building: GRVC

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Emission Point: 00011			
Height (ft.): 110	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: GRVC	
Emission Point: 00012			
Height (ft.): 110	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: GRVC	
Emission Point: 00013			
Height (ft.): 18	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: GRVC	
Emission Point: 00014			
Height (ft.): 35	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: RMSC	
Emission Point: 00015			
Height (ft.): 35	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: RMSC	
Emission Point: 00016			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC	
Emission Point: 00017			
Height (ft.): 18	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC	
Emission Point: 00018			
Height (ft.): 18	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC	
Emission Point: 00019			
Height (ft.): 18	Diameter (in.): 10		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC	
Emission Point: 00020			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00021			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00022			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00023			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	

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Emission Point: 00024			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00025			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00026			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00027			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	
Emission Point: 00028			
Height (ft.): 18	Diameter (in.): 12		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF	

## Item 34.6:

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

Emission Unit: U-00011			
Emission Point: U0029			
Height (ft.): 150	Diameter (in.): 60		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: 15	
Emission Point: U0031			
Height (ft.): 150	Diameter (in.): 60		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: 15	
Emission Point: U0033			
Height (ft.): 13	Diameter (in.): 18		
NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: 15	

## Condition 35: Process Definition By Emission Unit

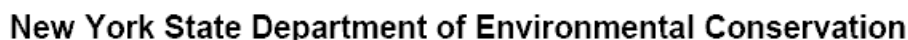
Effective between the dates of 01/03/2013 and 01/02/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

## Item 35.1:

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

Emission Unit: U-00001	
Process: 001	Source Classification Code: 1-03-006-02
Process Description:	
Firing natural gas in each of the four boilers (001-004), each rated at 96 mmbtu/hr. Backup fuel (only during gas interruption) is #2 fuel oil.	



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Emission Source/Control: 00004 - Combustion  
Design Capacity: 96 million Btu per hour

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

Emission Source/Control: 00004 - Combustion  
Design Capacity: 96 million Btu per hour

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

Emission Source/Control: 00006 - Combustion  
Design Capacity: 96 million Btu per hour

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

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Emission Unit: U-00002

Process: 004

Source Classification Code: 1-03-005-02

Process Description:

Firing #2 fuel oil as backup fuel in the two boilers during gas interruption.

Emission Source/Control: 00005 - Combustion

Design Capacity: 96 million Btu per hour

Emission Source/Control: 00006 - Combustion

Design Capacity: 96 million Btu per hour

**Item 35.5:**

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

Emission Unit: U-00003

Process: 005

Source Classification Code: 1-03-006-02

Process Description: Firing natural gas.

Emission Source/Control: 00007 - Combustion

Design Capacity: 96 million BTUs per hour

Emission Source/Control: 00008 - Combustion

Design Capacity: 96 million Btu per hour

**Item 35.6:**

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

Emission Unit: U-00003

Process: 006

Source Classification Code: 1-03-005-02

Process Description:

Firing #2 fuel oil as backup fuel during gas interruption.

Emission Source/Control: 00007 - Combustion

Design Capacity: 96 million BTUs per hour

Emission Source/Control: 00008 - Combustion

Design Capacity: 96 million Btu per hour

**Item 35.7:**

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

Emission Unit: U-00009

Process: 00P

Source Classification Code: 4-02-001-10

Process Description: Paint spay booth operation.

Emission Source/Control: 0000P - Process

**Item 35.8:**

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



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Emission Unit: U-00010

Process: GEN

Source Classification Code: 1-02-005-02

**Process Description:**

Firing oil number 2 diesel oil. This unit consists of nineteen (19) generators permitted to participate in NYPA sponsored CDRP/PLM program. However, only fifteen generators will participate in CDRP/PLM programs up on grant variance. In addition to regular testing and emergency, these generators will be operated during peak loading conditions, for an average of 65 hours a year per generator.

Emission Source/Control: 00010 - Combustion

Design Capacity: 1,100 kilowatts

Emission Source/Control: 00011 - Combustion

Design Capacity: 1,100 kilowatts

Emission Source/Control: 00012 - Combustion

Design Capacity: 625 kilowatts

Emission Source/Control: 00013 - Combustion

Design Capacity: 900 kilowatts

Emission Source/Control: 00014 - Combustion

Design Capacity: 800 kilowatts

Emission Source/Control: 00015 - Combustion

Design Capacity: 800 kilowatts

Emission Source/Control: 00016 - Combustion

Design Capacity: 900 kilowatts

Emission Source/Control: 00017 - Combustion

Design Capacity: 900 kilowatts

Emission Source/Control: 00018 - Combustion

Design Capacity: 1,100 kilowatts

Emission Source/Control: 00019 - Combustion

Design Capacity: 1,100 kilowatts

Emission Source/Control: 00020 - Combustion

Design Capacity: 1,150 kilowatts

Emission Source/Control: 00021 - Combustion

Design Capacity: 1,150 kilowatts

Emission Source/Control: 00022 - Combustion

Design Capacity: 1,150 kilowatts

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Emission Source/Control: 00023 - Combustion  
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00024 - Combustion  
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00025 - Combustion  
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00026 - Combustion  
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00027 - Combustion  
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00028 - Combustion  
Design Capacity: 1,150 kilowatts

**Item 35.9:**

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

Emission Unit: U-00011  
Process: 007 Source Classification Code: 2-03-002-03  
Process Description: Firing natural gas in the cogeneration plant

Emission Source/Control: 00029 - Combustion  
Design Capacity: 7.5 megawatt

Emission Source/Control: 00030 - Combustion  
Design Capacity: 7.5 megawatt

Emission Source/Control: 00031 - Combustion  
Design Capacity: 38.2 million Btu per hour

Emission Source/Control: 00032 - Combustion  
Design Capacity: 38.2 million Btu per hour

**Item 35.10:**

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

Emission Unit: U-00011  
Process: 008 Source Classification Code: 2-02-004-01  
Process Description: Firing diesel in the emergency blackstart engine.

Emission Source/Control: 00033 - Combustion  
Design Capacity: 2 megawatt

**Condition 36: Emission Unit Permissible Emissions**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

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**Item 36.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 2,204 pounds per year

Emission Unit: U-00002

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 551 pounds per year

Emission Unit: U-00003

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 275 pounds per year

Emission Unit: U-00011

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 31,545.8 pounds per year

Emission Unit: U-00001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 16,000 pounds per year

Emission Unit: U-00002

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 4,000 pounds per year

Emission Unit: U-00003

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 2,000 pounds per year

Emission Unit: U-00010

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 45,000 pounds per year

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Emission Unit: U-00011

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 83,999.2 pounds per year

**Condition 37: Process Permissible Emissions**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 37.1:**

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00010

Process: GEN

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 42,500 pounds per year

**Condition 38: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (c) (1) (i)**

**Item 38.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Regulated Contaminant(s):

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

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to distillate oil fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

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The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.12 pounds per million Btus  
Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, 19  
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 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 39: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-10.5**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 39.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00011.

NOx emission from four boilers in this emission unit U-00001 are limited to 8.00 tons per year. 6.81 tpy NOx ERCs are created for the new cogeneration project in emission unit U-00011 by boiler operation curtailment. The following formula shall be used to calculate the monthly NOx emissions and to demonstrate the compliance with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

where:

X = monthly NOx emissions(tons);

A = the monthly fuel consumption of number 2 oil in the four existing boilers(00001, 00002, 00003, 00004) (1000 gallons)

B = NOx emission factor from the most recent stack (lbs/1000 gallons). This factor is 17.28 lbs/1000 gallon

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based on a 2007 stack test;  
C = the monthly fuel consumption of natural gas in the  
four existing boilers(mmscf);  
D = NO<sub>x</sub> emission factor from the most recent stack test  
(lbs/mmscf). This factor is 72.56 lbs/mmscf based on a  
2007 stack test;

A rolling 12-month tally shall be maintained to ensure  
compliance with the 8.00 tpy limit.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 8.00 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 231-10.5**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 40.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition will become effective upon the  
commercial operation of cogeneration plant in Emission  
Unit U-00011.

PM-10 emission from four boilers in this emission unit  
U-00001 are limited to 1.1 tons per year. 1.14 tpy of  
PM-10 ERCs are created for the new cogeneration project in  
emission unit U-00011 by boiler operation curtailment.  
The following formula shall be used to calculate the  
monthly PM-10 emissions and to demonstrate compliance  
with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

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where:

X = monthly PM-10 emissions(tons);

A = the monthly fuel consumption of number 2 oil in the four existing boilers(00001, 00002, 00003, 00004) (1000 gallons)

B = PM 10 AP 42 Emission Factor (lbs/1000 gallons);

C = the monthly fuel consumption of natural gas in the four existing boilers(mmscf);

D = PM-10 AP 42 Emission Factor (lbs/1000 gallons);

A rolling 12-month tally will be maintained to ensure compliance with the 1.1 tpy limit.

Parameter Monitored: PM-10

Upper Permit Limit: 1.1 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 41:**     **Applicability of this Subpart to this emission source**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.40c, NSPS Subpart Dc**

## Item 41.1:

This Condition applies to:

Emission Unit: U00001

Process: 001

Emission Source: 00001

Emission Unit: U00001

Process: 001

Emission Source: 00002

Emission Unit: U00001

Process: 001

Emission Source: 00003

Emission Unit: U00001

Process: 001

Emission Source: 00004

Emission Unit: U00001

Process: 002

Emission Source: 00001

Emission Unit: U00001

Process: 002

Emission Source: 00002

Emission Unit: U00001

Process: 002

Emission Source: 00003

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Emission Unit: U00001

Process: 002

Emission Source: 00004

**Item 41.1:**

This Condition applies to Emission Unit: U-00001

**Item 41.2.3:**

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 42: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 42.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO<sub>2</sub> control device (or outlet of the steam generating unit if no SO<sub>2</sub> control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO<sub>2</sub> emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Recordkeeping and reporting.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40 CFR 60.48c, NSPS Subpart Dc**

**Item 43.1:**  
This Condition applies to Emission Unit: U-00001

**Item 43.2:**  
The facility shall maintain reports and records  
in accordance with the provisions of this  
section 40 CFR 60-Dc.48c.

**Condition 44: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 44.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: U0001

**Item 44.2:**  
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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: CONTINUOUS

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 4/30/2013.

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

**Condition 45: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 227-1.4 (b)**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: U0001

**Item 45.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each owner or operator required to operate a Continuous Opacity Monitoring System (COMS) in accordance with subdivision (a) of this section shall submit an accurate excess emissions and monitoring system performance report to the department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar quarter.

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The quarterly excess emissions report shall be submitted in a form acceptable to the department and shall include the following minimum information:

- (1) the magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) for each period of excess emission, specific identification of the cause and corrective action taken;
- (3) identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;
- (4) the total time in which the COMS are required to record data during the reporting period;
- (5) the total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- (6) such other things as the department may deem necessary, proper or desirable in order to enforce article 19 of the Environmental Conservation Law or the rules promulgated thereunder.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2013.

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

**Condition 46: Monitoring requirements.**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 46.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: U0001

**Item 46.2:**

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

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**Condition 47: Compliance methods for particulate matter.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40 CFR 60.45c, NSPS Subpart Dc**

**Item 47.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: U0001

**Item 47.2:**

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

**Condition 48: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: U0001  
Process: 002

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

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 49: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-10.5**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

**Item 49.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00011.

NO<sub>x</sub> emission from two boilers in this emission unit U-00002 are limited to 2.00 tons per year. 6.83 tpy NO<sub>x</sub> ERCs are created for the new cogeneration project in emission unit U-00011 by boiler operation curtailment. The following formula shall be used to calculate the monthly NO<sub>x</sub> emissions and to demonstrate the compliance with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

where:

X = monthly NO<sub>x</sub> emissions(tons);

A = the monthly fuel consumption of number 2 oil in the two existing boilers (00005, 00006) (1000 gallons)

B = NO<sub>x</sub> emission factor from the most recent stack (lbs/1000 gallons). This factor is 17.28 lbs/1000 gallon based on a 2007 stack test;

C = the monthly fuel consumption of natural gas in the two existing boilers(mmscf);

D = NO<sub>x</sub> emission factor from the most recent stack test (lbs/mmscf). This factor is 72.56 lbs/mmscf based on a 2007 stack test;

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A rolling 12-month tally will be maintained to ensure compliance with the 2.00 tpy limit.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 2.00 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 50: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-10.5**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):  
CAS No: 000000-00-00 PM-10

**Item 50.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00011.

PM-10 emission from four boilers in this emission unit U-00002 are limited to 0.28 tons per year. 1.05 tpy PM-10 ERCs are created for the new cogeneration project in emission unit U-00011 by boiler operation curtailment. The following formula shall be used to calculate the monthly PM-10 emissions and to demonstrate compliance with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

where:

X = monthly PM-10 emissions(tons);

A = the monthly fuel consumption of number 2 oil in the two existing boilers (00005, 00006) (1000 gallons);

B = PM-10 AP 42 Emission Factor (lbs/1000 gallons);

C = the monthly fuel consumption of natural gas in the two existing boilers(mmscf);

D = PM-10 AP 42 Emission Factor (lbs/1000 gallons);

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A rolling 12-month tally will be maintained to ensure compliance with the 0.28 tpy limit.

Parameter Monitored: PM-10

Upper Permit Limit: 0.28 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 51: Applicability of this Subpart to this emission source  
Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc**

**Item 51.1:**

This Condition applies to:

Emission Unit: U00002

Process: 003

Emission Source: 00005

Emission Unit: U00002

Process: 003

Emission Source: 00006

Emission Unit: U00002

Process: 004

Emission Source: 00005

Emission Unit: U00002

Process: 004

Emission Source: 00006

**Item 51.1:**

This Condition applies to Emission Unit: U-00002

**Item 51.2.3:**

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 52: Compliance Certification  
Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO<sub>2</sub> control device (or outlet of the steam generating unit if no SO<sub>2</sub> control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO<sub>2</sub> emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 53:      Recordkeeping and reporting.**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.48c, NSPS Subpart Dc**

**Item 53.1:**

This Condition applies to      Emission Unit: U-00002

**Item 53.2:**

The facility shall maintain reports and records in accordance with the provisions of this section 40 CFR 60-Dc.48c.

**Condition 54:      Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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



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**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: U0002

**Item 54.2:**

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 next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

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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 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 55: Compliance methods for particulate matter.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.45c, NSPS Subpart Dc**

**Item 55.1:**

This Condition applies to Emission Unit: U-00002 Emission Point: U0002

**Item 55.2:**

The facility shall conduct compliance testing  
for particulate matter by the methods listed in  
this section 40 CFR 60-Dc.45c.

**Condition 56: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: U0002  
Process: 004

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

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

- 1) Submit to the Department an acceptable protocol for  
the testing of particulate emission limit cited in this  
condition.
- 2) Perform a stack test, based upon the approved test  
protocol, to determine compliance with the particulate  
emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a

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minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-10.5**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000000-00-5 PM-10

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00001.

PM-10 emissions from two boilers in this emission unit U-00003 are limited to 0.14 tons per year. 0.60 tpy PM-10 ERCs are created for the new cogeneration project in emission unit U-00011 by boiler operation curtailment. The following formula shall be used to calculate the monthly PM-10 emissions and to demonstrate compliance with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

where:

X = monthly PM-10 emissions(tons);

A = the monthly fuel consumption of number 2 oil in the two existing boilers (00007, 00008) (1000 gallons)

B = PM-10 AP 42 Emission Factor (lbs/1000 gallons);

C = the monthly fuel consumption of natural gas in the two existing boilers(mmscf);

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D = PM-10 AP 42 Emission Factor (lbs/1000 gallons);

A rolling 12-month tally will be maintained to ensure compliance with the 0.14 tpy

Parameter Monitored: PM-10

Upper Permit Limit: 0.14 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 58: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-10.5**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

**Item 58.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00011.

NOx emissions from two boilers in this emission unit U-00003 are limited to 1.00 tons per year. 3.93 tpy NOx ERCs are created for the new cogeneration project in emission unit U-00011 by boiler operation curtailment. The following formula shall be used to calculate the monthly NOx emissions and to demonstrate the compliance with this cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D)) / 2000$$

where:

X = monthly NOx emissions(tons);

A = the monthly fuel consumption of number 2 oil in the two existing boilers(00007, 00008) (1000 gallons)

B = NOx emission factor from the most recent stack (lbs/1000 gallons). This factor is 17.28 lbs/1000 gallon

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based on a 2007 stack test;  
C = the monthly fuel consumption of natural gas in the two existing boilers (mmscf);  
D = NO<sub>x</sub> emission factor from the most recent stack test (lbs/mmscf). This factor is 72.56 lbs/mmscf based on a 2007 stack test;

A rolling 12-month tally shall be maintained to ensure compliance with the 1.00 tpy limit.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 1.00 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 59:     Applicability of this Subpart to this emission source**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc**

**Item 59.1:**

This Condition applies to:

Emission Unit: U00003	
Process: 005	Emission Source: 00007
Emission Unit: U00003	
Process: 005	Emission Source: 00008
Emission Unit: U00003	
Process: 006	Emission Source: 00007
Emission Unit: U00003	
Process: 006	Emission Source: 00008

**Item 59.1:**

This Condition applies to     Emission Unit: U-00003

**Item 59.2.3:**

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 60:     Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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**Applicable Federal Requirement:40CFR 60.46c(d)(2), NSPS Subpart Dc**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 60.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO<sub>2</sub> control device (or outlet of the steam generating unit if no SO<sub>2</sub> control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO<sub>2</sub> emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 61:      Recordkeeping and reporting.**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.48c, NSPS Subpart Dc**

**Item 61.1:**

This Condition applies to      Emission Unit: U-00003

**Item 61.2:**

The facility shall maintain reports and records  
in accordance with the provisions of this

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section 40 CFR 60-Dc.48c.

**Condition 62: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: U0003

**Item 62.2:**

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 next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

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revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: DAILY  
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 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance methods for particulate matter.**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.45c, NSPS Subpart Dc**

**Item 63.1:**

This Condition applies to Emission Unit: U-00003 Emission Point: U0003

**Item 63.2:**

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

**Condition 64: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: U0003  
Process: 006

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

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this



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condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 65: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR Subpart 231-2**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The volatile organic compounds from the spray booth operation should be limited to 2.5 tons per year. Records, including but not limited to purchase and usage records of paints and solvents should be kept at the facility to verify the compliance.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: COATING

Upper Permit Limit: 2.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 66: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 228-1.5**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Process: 00P

Emission Source: 0000P

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any emission source subject to this Part must maintain and, upon request, provide the department with a certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of each as applied coating, (VOC)a, used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the department and, upon request, these records must be submitted to the department.

The owner and operator of any emission source subject to this Part must, upon request by the department, use Method 311 or Method 24 as presented in Appendices A of both 40 CFR Parts 63 and 60, respectively (see table 1, section 200.9 of this Title, to measure the volatile content, water content, density, volume of solids and weight of solids in order to determine the actual VOC content of an applied coating during a compliance demonstration.

Representatives of the department must be permitted during reasonable business hours, to obtain coating samples for the purpose of determining compliance with this Part.

Any additional information required to determine compliance with this Part must be provided to the department in a format acceptable to the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 228-1.4**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Emission Point: 00009

**Item 67.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 08/01/2013 for the period 01/03/2013 through 07/02/2013

**Condition 68: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 228-1.8**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Emission Point: 00009

Process: 00P

Emission Source: 0000P

Regulated Contaminant(s):

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CAS No: 0NY998-00-0      VOC

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Volatile organic compounds(VOC) content (as applied, minus water and exempt VOC) in automobile, truck or bus coating, including but not limited to: repair coats, repainting and touch-ups, shall not exceed the following;

Repair/touch ups    6.2 pounds per gallon  
Overall (coating entire vehicle)    5 pounds/gallon

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 4/30/2013.

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

**Condition 69:      Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR 228-1.8**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Emission Point: 00009

Process: 00P

Emission Source: 0000P

Regulated Contaminant(s):

CAS No: 0NY998-00-0      VOC

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pounds per gallon of Volatile organic compounds(VOC) content (as applied, minus water and exempt VOC) in mobile equipment repair and refinishing or color-matched coating line including repainting and repair coats, excluding automotive touch-up repair shall not exceed the following:

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Automotive pretreatment primer 6.5  
Automotive primer-surfacer 4.8  
Automotive primer-sealer 4.6  
Automotive topcoat: Single stage-topcoat 5.0  
2 stage basecoat/clear coat 5.0  
3 or 4-stage basecoat/clearcoat 5.2  
Multi-colored 5.7  
Automotive specialty 7.0

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 4/30/2013.

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

**Condition 70: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

## Item 70.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00010	Emission Point: 00010
Emission Unit: U-00010	Emission Point: 00011
Emission Unit: U-00010	Emission Point: 00012
Emission Unit: U-00010	Emission Point: 00013
Emission Unit: U-00010	Emission Point: 00014
Emission Unit: U-00010	Emission Point: 00015
Emission Unit: U-00010	Emission Point: 00016
Emission Unit: U-00010	Emission Point: 00017
Emission Unit: U-00010	Emission Point: 00018
Emission Unit: U-00010	Emission Point: 00019
Emission Unit: U-00010	Emission Point: 00020
Emission Unit: U-00010	Emission Point: 00021

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Emission Unit: U-00010	Emission Point: 00022
Emission Unit: U-00010	Emission Point: 00023
Emission Unit: U-00010	Emission Point: 00024
Emission Unit: U-00010	Emission Point: 00025
Emission Unit: U-00010	Emission Point: 00026
Emission Unit: U-00010	Emission Point: 00027
Emission Unit: U-00010	Emission Point: 00028

**Item 70.2:**

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 next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

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the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: DAILY  
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 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 71: Capping Monitoring Condition**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 71.1:**

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

6 NYCRR Subpart 231-2

**Item 71.2:**

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

**Item 71.3:**

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

**Item 71.4:**

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

**Item 71.5:**

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

**Item 71.6:**

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The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Regulated Contaminant(s):

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

**Item 71.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Total annual NO<sub>x</sub> emissions from this emission unit PLM/CDRP operation is limited to 22.5 tons per year. The NO<sub>x</sub> emissions for each engine must be monitored and based on the emission factors obtained from the most recent stack testing and the hours of operation.

Daily log must be maintained at the site which shows the starting time and the ending time of operation for each engine.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 22.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

**Condition 72:      Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Emission Point: 00010

Process: GEN

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



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**Monitoring Description:**

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 73: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must perform a NOx emission stack test, as per Department approved stack test protocol to determine NOx emission factors (used in 6 NYCRR Part 201-7 capping condition) for the turbines(00029 and 00030) with and without duct firing HRSGs(00031 and 00032).

Permit conditions for 40 CFR 60 4320(a) and 40 CFR 60

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4340(a) require facility to perform NO<sub>x</sub> emission stack test for turbines at least every two years. This stack test shall also determine turbine NO<sub>x</sub> emission factors with and without duct firing.

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 4/30/2013.

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

**Condition 74: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must perform a PM-10 emission stack test, as per Department approved stack test protocol to determine PM-10 emission factors((used in 6 NYCRR Part 201-7 capping condition) for the turbines(00029 and 00030) with and without duct firing HRSGs(00031 and 00032).

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 75: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

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**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 180 days after the commencement of cogeneration plant, facility shall conduct PM 2.5 stack emission testing for turbines(with and without duct firing) to determine PM 2.5 emission factors as per EPA approved stack testing method to demonstrate that cogeneration plant PM 2.5 net emission increases are less than the 6 NYCRR part 231 significant net emission increase threshold of 10 tpy .

A report demonstrating the compliance shall be submitted to the Department within 60 days of the test.

Stack test protocol shall be submitted to the Department for approval at least 30 days prior to the test.

Reference Test Method: EPA approved 201 A or 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 76: Capping Monitoring Condition**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 76.1:**

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

6 NYCRR 231-6.4

**Item 76.2:**

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

**Item 76.3:**

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

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**Item 76.4:**

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

**Item 76.5:**

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

**Item 76.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

**Item 76.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

This condition will become effective upon the commercial operation of the new cogeneration plant in Emission Unit U-00011.

NOx emissions from this emission unit shall not exceed 42 tpy.

On a monthly basis, facility must calculate total annual NOx emissions of two turbines and duct firing HRSGs and emergency blackstart generator using the following formula to demonstrate compliance with the cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D) + (E \times F)) / 2000$$

Where,

X = monthly NOx emission(tons);

A = the monthly fuel consumption of natural gas in the two turbines (00029 and 00030) mmscf with duct firing HRSGs (00031 and 00032) mmscf;

B = NOx emission factor from the operation of the turbines with duct firing from the most recent stack test(lbs/mmscf).

C = the monthly fuel consumption of natural gas in the

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turbines without duct firing HRSGs  
D = NO<sub>x</sub> emission factor from the operation of the turbines  
without duct burners from the most recent stack  
test(lbs/mmscf);  
E = the monthly fuel consumption of #2 fuel oil in the  
emergency blackstart generator(10000)gallons;  
F = NO<sub>x</sub> emission factor lb/1000 gallon: NSPS 40 CFR 60  
Subpart IIII For Tier 2 engine category, (NMHC+ NO<sub>x</sub>)  
standatrd is 6.4 g/KW-hr.

A rolling 12-month tally shall be maintained at the  
facility ensure compliance with the limit, and summary of  
the calculations shall be submitted to the  
Department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 tons per year

Reference Test Method: 40 CFR Appendix A

Monitoring Frequency: MONTHLY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 77: Capping Monitoring Condition**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 77.1:**

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

6 NYCRR 231-6.4

**Item 77.2:**

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

**Item 77.3:**

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

**Item 77.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

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emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

## Item 77.5:

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

## Item 77.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

## Item 77.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

This condition will become effective upon the commercial operation of cogeneration plant in Emission Unit U-00011.

PM-10 emissions from this emission unit shall not exceed 15.77 tpy.

On a monthly basis, facility must calculate total annual PM-10 emissions of two turbines and duct firing HRSGs and emergency blackstart generator using the following formula to demonstrate compliance with the cap on a rolling 12-month basis:

$$X = ((A \times B) + (C \times D) + (E \times F)) / 2000$$

Where,

X = monthly PM-10 emission(tons);

A = the monthly fuel consumption of natural gas in the two turbines (00029 and 00030) mmscf with duct firing HRSGs (00031 and 00032) mmscf;

B = PM-10 emission factor from the operation of the turbines with duct firing from the most recent stack test(lbs/mmscf);

C = the monthly fuel consumption of natural gas in the turbines without duct firing HRSGs;

D = PM-10 emission factor from the operation of the

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turbines without duct burners from the most recent stack test(lbs/mmscf);  
E = the monthly fuel consumption of #2 fuel oil in the emergency engine generator(00033)(1000)gallons;  
F = PM10 emission factor lb/1000 gallon: NSPS 40 CFR 60 Subpart IIII for Tier 2 engine category, PM standard is 0.2 gm/(KW-hr).

A rolling 12-month tally shall be maintained at the facility ensure compliance with the limit, and a summary of the calculations shall be submitted to the Department.

Parameter Monitored: PM-10  
Upper Permit Limit: 15.77 tons per year  
Reference Test Method: 40 CFR Appendix A  
Monitoring Frequency: MONTHLY  
Averaging Method: 12-month total, rolled monthly  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 78: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 78.1:**

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

Emission Unit: U-00011	Emission Point: U0029
Emission Unit: U-00011	Emission Point: U0031
Emission Unit: U-00011	Emission Point: U0033

**Item 78.2:**

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

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time during facility operation.

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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

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 4/30/2013.

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

**Condition 79: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 6 NYCRR 231-6.2**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

**Item 79.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Rikers Island shall commence construction of Cogen Plant the turbines (and duct burners) and black start engine generator only on or after 7/18/2012. The contemporaneous period for the previously permitted PLM units ends on 7/17/2012.

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 4/30/2013.

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

**Condition 80: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4340(a), NSPS Subpart**

**KKKK**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is not using water or steam injection to control NOx emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance.

If the NOx emission result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75% of the NOx emission limit for the turbine, the facility must resume annual performance tests.

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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**DESCRIPTION**

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 81: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4365(a), NSPS Subpart**

**KKKK**

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO<sub>2</sub>/J (0.060 lb SO<sub>2</sub>/mmBtu) heat input.

The facility must use the fuel quality characteristics in a current, valid purchase contract, tariff sheet, or transportation contract for the fuel, specifying that:

- 1) The maximum total sulfur content for oil use is 0.05% by weight (500 ppmw) or less, or
- 2) The total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, or
- 3) Has potential sulfur emissions of less than 26 ng SO<sub>2</sub>/J (0.060 lb SO<sub>2</sub>/mmBtu) heat input.

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 4/30/2013.

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

**Condition 82: NO<sub>x</sub> performance testing methodology**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4400(b), NSPS Subpart**

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**KKKK**

**Item 82.1:**

This Condition applies to Emission Unit: U-00011

**Item 82.2:**

The performance test must be done at any load condition within +/- 25% of 100% of peak load. The facility may perform testing at the highest achievable load point, if at least 75% of peak load cannot be achieved in practice. The facility must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

If the stationary combustion turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel.

For a combined cycle and CHP turbine systems with supplemental heat (duct burner), the facility must measure the total NOx emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation during the performance test.

If water or steam injection is used to control NOx with no additional post-combustion NOx control and the facility chooses to monitor the steam or water to fuel ratio in accordance with §60.4335, then that monitoring system must be operated concurrently with each EPA Method 20 or 7E run and must be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.4320 NOx emission limit.

Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOx emission rate at each tested level meets the applicable emission limit in §60.4320.

If the facility elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in §60.4405) as part of the initial performance test of the affected unit.

The ambient temperature must be greater than 0F during the performance test.

**Condition 83: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**KKKK**

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 007

Regulated Contaminant(s):

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

**Item 83.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each affected unit that performs annual performance tests in accordance with §60.4340(a), the facility must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 84: Test methods for NO<sub>x</sub>**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4400(a), NSPS Subpart**

**KKKK**

**Item 84.1:**

This Condition applies to Emission Unit: U-00011  
Process: 007

**Item 84.2:**

The facility must conduct an initial performance test, as required in §60.8. Subsequent performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).

Performance tests shall be conducted according to the test methodologies listed in §60.4400(a)(1)-(3) as applicable.

**Condition 85: Compliance Certification**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4415, NSPS Subpart KKKK**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011  
Process: 007

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must conduct an initial performance test for SO<sub>2</sub> as required in §60.8. Subsequent SO<sub>2</sub> performance tests shall be conducted on an annual basis (no more than

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14 calendar months following the previous performance test).

Performance tests shall be conducted according to the test methodologies listed in §60.4415(a)(1)-(3) as applicable.

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 4/30/2013.

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

**Condition 86: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4320(a), NSPS Subpart**

**KKKK**

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 007

Emission Source: 00029

Regulated Contaminant(s):

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

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For a facility with a new turbine firing natural gas and if the combustion turbine heat input at peak load (HHV) is greater than 50 mmBtu/hr and less than or equal to 850 mmBtu/hr, the facility must not exceed the NO<sub>x</sub> emission standard of 25 ppm at 15% O<sub>2</sub>.

Compliance with this emission standard shall be determined according to the annual performance tests as specified in §60.4340(a).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 25 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: EPA Method 7E or Met

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE

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Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

**Condition 87: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4320(a), NSPS Subpart**

**KKKK**

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 007

Emission Source: 00030

Regulated Contaminant(s):

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

**Item 87.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For a facility with a new turbine firing natural gas and if the combustion turbine heat input at peak load (HHV) is greater than 50 mmBtu/hr and less than or equal to 850 mmBtu/hr, the facility must not exceed the NO<sub>x</sub> emission standard of 25 ppm at 15% O<sub>2</sub>.

Compliance with this emission standard shall be determined according to the annual performance tests as specified in §60.4340(a).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 25 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: EPA Method 7E or Met

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

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

**Condition 88: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4205(b), NSPS Subpart IIII**

**Item 88.1:**

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The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power greater than or equal to 37 kW (50 HP but less than or equal to 2,237 kW (3,000 HP), that is not a fire pump engine, and has a displacement of less than 10 liters per cylinder must comply with the emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable, for all pollutants, for the same model year and maximum engine power.

Compliance with this requirement will be established by purchasing an engine certified to the applicable emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.

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 4/30/2013.

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

**Condition 89: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart IIII**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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Beginning October 1, 2010, the owner or operator of a stationary compression ignition internal combustion engine with a displacement of less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire diesel fuel above a maximum aromatic content of 35 percent per gallon as referenced in 40 CFR Part 80.510(b). Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the aromatic content for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: AROMATIC CONTENT

Upper Permit Limit: 35 percent

Monitoring Frequency: PER DELIVERY

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 4/30/2013.

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

**Condition 90: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart IIII**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Beginning October 1, 2010, the owner or operator of a stationary compression ignition internal combustion engine displacing less 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire diesel fuel below a minimum cetane index



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of 40 per gallon as referenced in 40 CFR Part 80.510(b). Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the cetane index for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: CETANE INDEX

Lower Permit Limit: 40 ratio

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 91: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart IIII**

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Beginning October 1, 2010, the owner or operator of a stationary compression ignition internal combustion engine displacing less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire any diesel fuel which exceeds a sulfur content of 15 ppm per gallon as per the non-road diesel fuel sulfur content standard set forth in 40 CFR Part 80.510(b). Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the sulfur content or range of sulfur content for each

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shipment of non-road diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 15 parts per million by weight

Monitoring Frequency: PER DELIVERY

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 4/30/2013.

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

**Condition 92: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4209(a), NSPS Subpart IIII**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage

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 4/30/2013.

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

**Condition 93: Compliance Certification**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable Federal Requirement:40CFR 60.4211(e), NSPS Subpart IIII**

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**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emergency stationary internal combustion engine may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year

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 4/30/2013.

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: 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 94: Contaminant List**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 94.1:**

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

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

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

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

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

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

**Condition 95: Unavoidable noncompliance and violations**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 95.1:**

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

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

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

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



malfunction and the air contaminants emitted.

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

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

**Condition 96: Unavoidable noncompliance and violations**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

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

**Item 96.1:**

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

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

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

(c) The Department may also require the owner and/or operator to include in reports

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described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

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

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

**Condition 97: Visible Emissions Limited**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 211.2**

## Item 97.1:

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

**Condition 98: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.4 (f) (3)**

## Item 98.1:

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

Emission Unit: U-00010

Process: GEN

Emission Source: 00021

Emission Unit: U-00010

Process: GEN

Emission Source: 00023

Emission Unit: U-00010

Process: GEN

Emission Source: 00026

Emission Unit: U-00010

Process: GEN

Emission Source: 00028

Regulated Contaminant(s):

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

## Item 98.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each stationary internal combustion engine listed may participate in CDRP/PLM program only after demonstrating compliance with NOx emission limit of 2.3 grams per brake horsepower-hour and receiving the Department's approval of the emission test results.

If an engine cannot meet the NOx limit of 2.3 grams/bhp-hr, and still wants to participate in CDRP/PLM program, the facility must submit an application for permit modification along with a variance request as per 6 NYCRR Part 227-2.5(c) and Air Guide 20.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 99: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (b)**

**Item 99.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 99.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition is effective till July 1, 2014

System-wide averaging of NOx emissions from Rikers Island facility shall be in accordance with the October 5, 2001, Department approved averaging plan submitted by Keyspan. Compliance must be determined on an daily average basis, during ozone season( May 1 through September 30) and on monthly average basis during non ozone season (January 1 through April 30 and October 1 through December 31).

Averaging plan is attached to this permit and constitutes an enforceable part of the permit.



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Monitoring Frequency: MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 100: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 100.1:**

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

**Item 100.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must perform an annual tune-up of eight mid-size boilers: 0001, 0002, 0003, 0004, 0005, 0006, 0007, and 0008. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 101: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 101.1:**

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

Emission Unit: U-00001

Emission Unit: U-00001

Process: 001

Emission Source: 00001

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Emission Unit: U-00001 Process: 001	Emission Source: 00002
Emission Unit: U-00001 Process: 001	Emission Source: 00003
Emission Unit: U-00001 Process: 001	Emission Source: 00004
Emission Unit: U-00001 Process: 002	Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Source: 00004
Emission Unit: U-00002	
Emission Unit: U-00002 Process: 003	Emission Source: 00005
Emission Unit: U-00002 Process: 003	Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Source: 00006
Emission Unit: U-00003	
Emission Unit: U-00003 Process: 005	Emission Source: 00007
Emission Unit: U-00003 Process: 005	Emission Source: 00008
Emission Unit: U-00003 Process: 006	Emission Source: 00007
Emission Unit: U-00003 Process: 006	Emission Source: 00008

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

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**Item 101.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition becomes effective on or after July 1, 2014

Alternative NOx emissions limit 0.12 lbs/mmbtu applies to eight mid size boilers (Emission Sources: 0001-0008) listed in Emission Unit U-00001, U-00002 and U-00003 as demonstrated in December 2011 NOx RACT analysis.

Once during the term of the Title V permit, the facility must perform NOx emission stack test, as per Department approved test protocol. Results of the stack test must be submitted to the Department within 60 days after completion of the test.

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

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

**Condition 102: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 102.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00010

Process: GEN

Emission Source: 00010

**Item 102.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00010 is limited to 7.7 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

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Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 7.7 grams per brake horsepower-hour  
Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 103: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 103.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00011
Process: GEN	Emission Source: 00011

**Item 103.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00011 is  
limited to 7.0 gm/bhp-hr as demonstrated in June 11, 2008  
NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 7.0 grams per brake horsepower-hour  
Reference Test Method: 40 cfr  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 104: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 104.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00012
Process: GEN	Emission Source: 00012

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**Item 104.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00012 is limited to 7.5 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.5 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 105: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 105.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00013

Process: GEN

Emission Source: 00013

**Item 105.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00013 is limited to 7.4 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.4 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

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**Condition 106: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 106.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00014

Process: GEN

Emission Source: 00014

**Item 106.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NO<sub>x</sub> RACT emission limit for engine 00014 is limited to 7.8 gm/bhp-hr as demonstrated in June 11, 2008 NO<sub>x</sub> RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.8 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 107: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 107.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00015

Process: GEN

Emission Source: 00015

**Item 107.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NO<sub>x</sub> RACT emission limit for engine 00015 is limited to 8.1 gm/bhp-hr as demonstrated in June 11, 2008 NO<sub>x</sub> RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

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Upper Permit Limit: 8.1 grams per brake horsepower-hour  
Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 108: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 108.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00016
Process: GEN	Emission Source: 00016

**Item 108.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00016 is  
limited to 5.9 gm/bhp-hr as demonstrated in June 11, 2008  
NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 5.9 grams per brake horsepower-hour  
Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 109: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 109.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00017
Process: GEN	Emission Source: 00017

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**Item 109.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00017 is limited to 3.5 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3.5 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 110: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 110.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00018

Process: GEN

Emission Source: 00018

**Item 110.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00018 is limited to 6.9 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 6.9 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 111: Compliance Demonstration**



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**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 111.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00019

Process: GEN

Emission Source: 00019

**Item 111.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NO<sub>x</sub> RACT emission limit for engine 00019 is limited to 7.0 gm/bhp-hr as demonstrated in June 11, 2008 NO<sub>x</sub> RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.0 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 112: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 112.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00020

Process: GEN

Emission Source: 00020

**Item 112.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NO<sub>x</sub> RACT emission limit for engine 00020 is limited to 6.9 gm/bhp-hr as demonstrated in June 11, 2008 NO<sub>x</sub> RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 6.9 grams per brake horsepower-hour

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Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 113: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 113.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00022
Process: GEN	Emission Source: 00022

**Item 113.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate emission limit for engine 00022 is limited to  
7.0 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT  
analysis.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 7.0 grams per brake horsepower-hour  
Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2013.  
Subsequent reports are due every 6 calendar month(s).

**Condition 114: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 114.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010	Emission Point: 00024
Process: GEN	Emission Source: 00024

**Item 114.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6007-00259/00033**

**Facility DEC ID: 2600700259**



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00024 is limited to 7.7 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.7 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 115: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement: 6 NYCRR 227-2.5 (c)**

**Item 115.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00025

Process: GEN

Emission Source: 00025

**Item 115.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00025 is limited to 6.6 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 6.6 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 116: Compliance Demonstration**  
**Effective between the dates of 01/03/2013 and 01/02/2018**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6007-00259/00033**

**Facility DEC ID: 2600700259**



**Applicable State Requirement:6 NYCRR 227-2.5 (c)**

**Item 116.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Emission Point: 00027

Process: GEN

Emission Source: 00027

**Item 116.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00027 is limited to 8.3 gm/bhp-hr as demonstrated in June 11, 2008 NOx RACT analysis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 8.3 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

**Condition 117: Compliance Demonstration**

**Effective between the dates of 01/03/2013 and 01/02/2018**

**Applicable State Requirement:6 NYCRR 227-2.4 (f) (6)**

**Item 117.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00011

Process: 008

Emission Source: 00033

**Item 117.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The operational hours of the emergency generator engine must be limited to 500 hours per year. Facility must maintain on site records which demonstrate that the engine is operated less than 500 hours per year on a 12-month rolling basis for emergency purposes only. The 500 hours of annual operation for the engine include operation during emergency situations, routine

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maintenance, and equipment reliability testing.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2013.

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

