

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2620400064**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6204-00064/00005  
Effective Date: 08/16/2007 Expiration Date: 08/15/2012

Permit Issued To: SOCIETY OF NEW YORK HOSPITAL  
525 EAST 68TH ST  
NEW YORK, NY 10021-4873

Contact: JENNIFER KEARNEY  
NEW YORK PRESBYTERIAN HOSPITAL  
525 EAST 68TH ST  
NEW YORK, NY 10032  
(212) 746-1741

Facility: NY - PRESBYTERIAN HOSPITAL-525 E 68TH ST  
525 EAST 68TH ST  
NEW YORK, NY 10021

Contact: JENNIFER KEARNEY  
NEW YORK PRESBYTERIAN HOSPITAL  
525 EAST 68TH ST  
NEW YORK, NY 10032  
(212) 746-1741

**Description:**

New York Presbyterian hospital (NYPH) down town campus operates a few emission sources that include four (4) boilers, eight (8) emergency generators, nine (9) fuel oil storage tanks and fume hoods. The facility also has two (2) Ethylene oxide sterilizers and one abator unit. The hospital is planning to install a new turbine and duct burner, both capable of firing natural gas.

This application is being submitted to obtain a permit to construct the new Cogen plant and renew the current Title V permit.



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

Permit Administrator:           JOHN F CRYAN  
  DIVISION OF ENVIRONMENTAL PERMITS  
  ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
  LONG ISLAND CITY, NY 11101-5407

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of application for permit modification or renewal-REGION 2

HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**



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

**Condition 4: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 4.1:**

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 4.2:**

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 4.3:**

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

**Item 5.1:**

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

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

**Condition 6: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 6.1:**

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;

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

**Item 7.1:**

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



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

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

**IDENTIFICATION INFORMATION**

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525 EAST 68TH ST

NEW YORK, NY 10021-4873

Facility:

NY - PRESBYTERIAN HOSPITAL-525 E 68TH ST

525 EAST 68TH ST

NEW YORK, NY 10021

Authorized Activity By Standard Industrial Classification Code:

8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 08/16/2007

Permit Expiration Date: 08/15/2012





## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(g): Non Applicable requirements
- 25 6NYCRR 225-1.8: Compliance Certification
- 26 6NYCRR 225.1(a)(3): Compliance Certification
- 27 6NYCRR 227-1.4(b): Compliance Certification
- 28 6NYCRR 227-2.6(c)(2): Compliance Certification
- 29 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

#### Emission Unit Level

- 30 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 31 6NYCRR 201-6: Process Definition By Emission Unit
- 32 6NYCRR 201-7: Emission Unit Permissible Emissions
- 33 6NYCRR 201-7: Process Permissible Emissions

#### EU=U-00001

- \*34 6NYCRR 201-7: Capping Monitoring Condition
- \*35 6NYCRR 201-7: Capping Monitoring Condition
- \*36 6NYCRR 201-7: Capping Monitoring Condition



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- 37 6NYCRR 227-1.2(a)(1): Compliance Certification
- 38 6NYCRR 227-1.2(b): Multiple combustion sources.
- 39 6NYCRR 227-1.3: Compliance Certification
- 40 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 41 40CFR 60.13(h), NSPS Subpart A: Compliance Certification

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

- 42 6NYCRR 227.2(b)(1): Compliance Certification

**EU=U-00001,EP=E0001**

- 43 6NYCRR 227-1.3(a): Compliance Certification

**EU=U-00001,EP=E0001,Proc=001**

- 44 6NYCRR 227-2.4(b)(1): Compliance Certification

**EU=U-00001,EP=E0001,Proc=001,ES=S0001**

- 45 6NYCRR 227-2.4(d): Compliance Certification
- 46 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=001,ES=S0002**

- 47 6NYCRR 227-2.4(d): Compliance Certification
- 48 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=001,ES=S0003**

- 49 6NYCRR 227-2.4(d): Compliance Certification
- 50 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=001,ES=S0009**

- \*51 6NYCRR 201-7: Capping Monitoring Condition
- 52 6NYCRR 227-2.4(d): Compliance Certification
- 53 6NYCRR 227-2.6(c): Compliance Certification
- 54 6NYCRR 227-2.6(c)(2): Compliance Certification
- 55 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 56 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 57 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 58 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 59 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 60 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 61 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 62 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 63 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 64 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 65 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 66 40CFR 60.9, NSPS Subpart A: Availability of information.



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- 67 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 68 40CFR 60.12, NSPS Subpart A: Circumvention.
- 69 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 70 40CFR 60.13(c), NSPS Subpart A: Compliance Certification
- 71 40CFR 60.13(e), NSPS Subpart A: Compliance Certification
- 72 40CFR 60.13(f), NSPS Subpart A: Compliance Certification
- 73 40CFR 60.14, NSPS Subpart A: Modifications.
- 74 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 75 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 76 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 77 40CFR 60.44b(a)(1), NSPS Subpart Db: Standards for oxides of nitrogen.
- 78 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 79 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 80 40CFR 60.44b(j), NSPS Subpart Db: Performance test compliance.
- 81 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 82 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity
- 83 40CFR 60.46b(e)(4), NSPS Subpart Db: Compliance Certification
- 84 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification
- 85 40CFR 60.48b(c), NSPS Subpart Db: Compliance Certification
- 86 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NO<sub>x</sub> during CEMS downtime
- 87 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 88 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 89 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 90 40CFR 60.49b(f), NSPS Subpart Db: Compliance Certification
- 91 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 92 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 93 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification

**EU=U-00001,EP=E0001,Proc=002**

- 94 6NYCRR 227-2.4(b)(1): Compliance Certification

**EU=U-00001,EP=E0001,Proc=002,ES=S0001**

- 95 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=002,ES=S0002**

- 96 6NYCRR 227-2.6(c)(2): Compliance Certification
- 97 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=002,ES=S0003**

- 98 6NYCRR 227-2.6(c)(2): Compliance Certification

**EU=U-00001,EP=E0001,Proc=002,ES=S0009**

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- \*99 6NYCRR 201-7: Capping Monitoring Condition
- 100 6NYCRR 227-2.6(c): Compliance Certification
- 101 6NYCRR 227-2.6(c)(2): Compliance Certification
- 102 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 103 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 104 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 105 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 106 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 107 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 108 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 109 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 110 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 111 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 112 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 113 40CFR 60.9, NSPS Subpart A: Availability of information.
- 114 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 115 40CFR 60.12, NSPS Subpart A: Circumvention.
- 116 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 117 40CFR 60.13(c), NSPS Subpart A: Compliance Certification
- 118 40CFR 60.13(e), NSPS Subpart A: Compliance Certification
- 119 40CFR 60.13(f), NSPS Subpart A: Compliance Certification
- 120 40CFR 60.14, NSPS Subpart A: Modifications.
- 121 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 122 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 123 40CFR 60.43b(b), NSPS Subpart Db: Particulate matter standard.
- 124 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 125 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 126 40CFR 60.44b(a)(1), NSPS Subpart Db: Standards for oxides of nitrogen.
- 127 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 128 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 129 40CFR 60.44b(j), NSPS Subpart Db: Performance test compliance.
- 130 40CFR 60.45b(j), NSPS Subpart Db: Compliance Certification
- 131 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 132 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity
- 133 40CFR 60.46b(e)(4), NSPS Subpart Db: Compliance Certification
- 134 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.
- 135 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification
- 136 40CFR 60.48b(c), NSPS Subpart Db: Compliance Certification
- 137 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for



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measuring NO<sub>x</sub> during CEMS downtime

- 138 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 139 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 140 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 141 40CFR 60.49b(f), NSPS Subpart Db: Compliance Certification
- 142 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 143 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 144 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 145 40CFR 60.49b(j), NSPS Subpart Db: Compliance Certification
- 146 40CFR 60.49b(r), NSPS Subpart Db: Compliance Certification

**EU=U-00001,EP=E0001,Proc=CNG,ES=S0010**

- \*147 6NYCRR 201-7: Capping Monitoring Condition
- 148 6NYCRR 227-2.4(e)(2): Compliance Certification
- 149 6NYCRR 227-2.6(c)(2): Compliance Certification
- 150 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification
- 151 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification
- 152 40CFR 60.333, NSPS Subpart GG: Sulfur dioxide standard.
- 153 40CFR 60.333, NSPS Subpart GG: Sulfur in fuel standard.
- 154 40CFR 60.333(a), NSPS Subpart GG: Compliance Certification
- 155 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
- 156 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification
- 157 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
- 158 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification
- 159 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NO<sub>x</sub>
- 160 40CFR 60.4400(b), NSPS Subpart KKKK: NO<sub>x</sub> performance testing methodology

**EU=U-00001,EP=E0001,Proc=CNG,ES=S0011**

- \*161 6NYCRR 201-7: Capping Monitoring Condition
- 162 6NYCRR 227-2.4(e)(2): Compliance Certification
- 163 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification
- 164 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification
- 165 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification
- 166 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
- 167 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification
- 168 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NO<sub>x</sub>
- 169 40CFR 60.4400(b), NSPS Subpart KKKK: NO<sub>x</sub> performance testing methodology

**EU=U-00002**

- 170 6NYCRR 212.3(a): EtO sterilization - Abator operation required  
during sterilization
- 171 6NYCRR 212.3(a): Compliance Certification

**EU=U-00002,Proc=003,ES=S0006**

- 172 6NYCRR 212.3(a): Compliance Plan

**EU=U-00002,Proc=003,ES=S0007**



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173 6NYCRR 212.3(a): Compliance Plan

**EU=U-00002,Proc=003,ES=S0008**

174 6NYCRR 212.3(a): Compliance Plan

**EU=U-00002,EP=E0002,Proc=003**

175 6NYCRR 212.3(a): Emissions from existing sources

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

176 ECL 19-0301: Contaminant List

177 6NYCRR 201-1.4: Unavoidable noncompliance and violations

178 6NYCRR 211.2: Air pollution prohibited

179 6NYCRR 227-1.4(a): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.

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**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

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

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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

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

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

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

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

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

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

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in



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order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

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Act;

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

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

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

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

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

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

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

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

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

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

**Item L:**

**Permit Exclusion - ECL 19-0305**

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

**Item M:**

**Federally Enforceable Requirements - 40 CFR 70.6(b)**

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

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

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

**Condition 1:**

**Acceptable Ambient Air Quality**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

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



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

**Condition 2: Fees**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 2.1:**

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

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 3.1:**

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

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

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

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

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 4.1:**

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



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

**Condition 5: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(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.

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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- 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.

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.

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

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

The address for the RAPCE is as follows:

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

The address for the BCME is as follows:



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

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 8.1:**

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

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



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upon request during normal business hours.

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

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

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

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 11.1:**

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

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

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**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 08/16/2007 and 08/15/2012**

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

**Item 13.1:**

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

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

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 14.1:**

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

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

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 15.1:**

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

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**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 16.1:**

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

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

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

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

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

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 17.1:**

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

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

(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 08/16/2007 and 08/15/2012**

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

**Item 18.1:**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or



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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 08/16/2007 and 08/15/2012**

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

**Item 19.1:**

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

**Condition 20: Visible Emissions Limited**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 20.1:**

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

**Condition 21: Accidental release provisions.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 68**

**Item 21.1:**

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



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than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

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

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

**Condition 22: Recycling and Emissions Reduction**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 22.1:**

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 23: Emission Unit Definition**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 23.1:**

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of three (3) 145 mmbtu/hr boilers, one (1) 137.8mmbtu/hr boiler, one (1) 85.7 mmbtu/hr Solar turbine and one (1) 37.9 mmbtu/hr Eclipse duct burner. The flue gases will be discharged through a



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common stack. All the boilers are dual fuel fired (natural gas and no. 2 fuel oil) and the flue gases exit through a common stack.

Building(s): ANNEX

**Item 23.2:**

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

Emission Unit: U-00002

Emission Unit Description:

Two Amsco ethylene oxide sterilizers equipped with an aerator were shutdown. The facility replaced these units with two- (2) Amsco Eagle 3017 sterilizers equipped with an Amsco abator unit. The vent is connected to the existing emission point E0002. 100% ETO cartridge will be used.

Building(s): N

**Condition 24: Non Applicable requirements**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 24.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 231-2

Emission Unit: U00001

Reason: The facility added fourth boiler on 01/01/2006. But the facility is capping the MAP (maximum annual Potential of the facility as the same as before by limiting the fuel usage. Since there is no MAP increase, this is not subject to Subpart 231-2.

40CFR 52-A.21(i)(1)

Emission Unit: U00001

Reason: For this project the facility is capping the potential to emit (PTE) of the new boiler to 39.5 TPY NOx and 39.5 TPY SO2, by limiting the fuel usage. The total annual NOx and SO2 emissions shall not exceed 39.5 TPY each. This should be determined by the facility by documenting daily fuel consumption and submittal of annual emission statement.



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**Condition 25: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

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 1/30/2008.

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

**Condition 26: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

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



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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 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**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 owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is 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



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6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2007.  
Subsequent reports are due every 3 calendar month(s).

**Condition 28: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit a compliance test protocol to the Department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the the Department.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 29: EPA Region 2 address.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 29.1:**

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

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

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

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

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

**Condition 30: Emission Point Definition By Emission Unit**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 30.1:**

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

Emission Unit: U-00001

Emission Point: E0001

Height (ft.): 403

Diameter (in.): 96

NYTMN (km.): 4513.

NYTME (km.): 588.3

Building: ANNEX

**Item 30.2:**

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

Emission Unit: U-00002

Emission Point: E0002

Height (ft.): 134

Length (in.): 39

Width (in.): 28

NYTMN (km.): 4513.

NYTME (km.): 588.3

Building: N

**Condition 31: Process Definition By Emission Unit**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 31.1:**

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:

The process 001 is when the four boilers fires natural



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gas and flue gases will exhaust via a common stack

Emission Source/Control: S0001 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0002 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0003 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0009 - Combustion  
Design Capacity: 137.8 million Btu per hour

**Item 31.2:**

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

Emission Unit: U-00001

Process: 002

Source Classification Code: 1-03-005-02

Process Description:

The process 002 is when the four boilers fires No.2 oil  
and flue gases will exhaust via a common stack.

Emission Source/Control: S0001 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0002 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0003 - Combustion  
Design Capacity: 145 million Btu per hour

Emission Source/Control: S0009 - Combustion  
Design Capacity: 137.8 million Btu per hour

**Item 31.3:**

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

Emission Unit: U-00001

Process: CNG

Source Classification Code: 1-03-006-02

Process Description:

The process CNG is when the turbine and the burner fire  
natural gas and flue gases will exhaust via a common  
stack

Emission Source/Control: S0010 - Combustion  
Design Capacity: 85.7 million BTUs per hour



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Emission Source/Control: S0011 - Combustion

Design Capacity: 37.9 million Btu per hour

**Item 31.4:**

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

Emission Unit: U-00002

Process: 003

Source Classification Code: 3-15-020-01

Process Description:

The process 003 is when emission unit U-00002 consists of two (2) Ethylene oxide sterilizers and an abator use 100% ETO 100 grams or 170 grams cartridges.

Emission Source/Control: S0008 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: S0006 - Process

Emission Source/Control: S0007 - Process

**Condition 32: Emission Unit Permissible Emissions**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 32.1:**

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: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 131.43 pounds per hour

1,151,288 pounds per year

CAS No: 000000-00-0

Name: OXIDES OF NITROGEN

PTE(s): 61.7 pounds per hour

540,520 pounds per year

**Condition 33: Process Permissible Emissions**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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



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**Item 33.1:**

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-00001 Process: 001

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.26 pounds per hour  
2,286 pounds per year

Emission Unit: U-00001 Process: 002

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 131.43 pounds per hour  
1,151,288 pounds per year

Emission Unit: U-00001 Process: 001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 60.9 pounds per hour  
533,484 pounds per year

Emission Unit: U-00001 Process: 002

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 61.7 pounds per hour  
540,520 pounds per year

**Condition 34: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 34.1:**

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:

6NYCRR 231-2

**Item 34.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits,

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terms, conditions and standards in this permit.

**Item 34.3:**

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 34.4:**

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 34.5:**

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 34.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 34.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is capping out from Part 231 applicability in this project by keeping the Maximum Annual Potential (MAP) the same. The existing maximum annual potential of the boilers emission is 324.31 TPY for NO<sub>x</sub> and 5.75 TPY for VOC. The facility has to limit the fuel usage to keep the MAP of the facility same, even after the new project. The facility has to record daily fuel consumption, rolled monthly to confirm that MAP of the facility will remain the same facility wide. Facility has to submit the reports of annual fuel usage and the MAP calculation to the DEC.

Work Practice Type: PROCESS MATERIAL THRUPUT



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Process Material: NUMBER 2 OIL

Upper Permit Limit: 27025 1000 gallons

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

**Condition 35: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 35.1:**

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:

6NYCRR 231-2

**Item 35.2:**

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

**Item 35.3:**

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 35.4:**

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 35.5:**

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 35.6:**

The Compliance Certification activity will be performed for:





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Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 35.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is capping out from part 231 applicability in this project by keeping the Maximum Annual Potential (MAP) the same. The existing MAP of the boilers emission is 324.31 TPY for NOx and 5.75 TPY for VOC. The facility has to limit the fuel usage to keep the MAP of the facility same, even after the new project. The facility has to record daily fuel consumption, rolled monthly to confirm that MAP of the facility will remain same facility wide. Facility has to submit the reports of annual fuel usage and MAP calculations to DEC.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 3810 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

**Condition 36: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 36.1:**

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:

6NYCRR 231-2

**Item 36.2:**

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

**Item 36.3:**

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 36.4:**

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 36.5:**

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 36.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 36.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facilities in New York City, Nassau, Rockland, Suffolk, and Westchester Counties which fire multiple fuels boilers and other stationary combustion sources shall maintain a record of the quantity of the each fuel fired for each sources. Also the owner or the operator shall calculate (based on the fuel quantities) the NO<sub>x</sub> emissions using the following formula:

$$D (0.02) + G (140) + T(0.32) + B(0.1) < 324 \text{ Tons/Yr of the Oxides of Nitrogen emissions.}$$

Where D= 12 month rolling total of Distillate oil usage



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in gal/yr ( From all the boilers in the facility)  
G= 12 month rolling total of natural gas  
usage in mcf/yr ( From all the boilers in the facility)  
T= 12 month rolling total of natural gas  
usage in mcf/yr ( From the Turbine)  
B= 12 month rolling total of natural gas  
usage in mcf/yr ( From the Duct burner)

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 1/30/2008.

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

**Condition 37: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PARTICULATE EMISSION LIMIT FOR BOILER IS  
0.10 POUNDS PER MILLION BTU FOR THE  
BOILERS WITH A HEAT INPUT CAPACITY  
EXCEEDING 250 MILLION BTU/HOUR, USING  
OIL. COMPLIANCE WITH EMISSION LIMITS  
BASED UPON THE RESULTS OF THE STACK  
TESTS. IN ADDITION TO STACK TEST ONCE  
PER PERMIT TERM, THE FACILITY WILL  
CONDUCT DAILY MONITORING AND MAINTAIN  
RECORDS OF FUEL FLOW. FOR THE NEXT  
STACK TEST, THE FACILITY WILL IDENTIFY AT  
LEAST TWO OPERATING PARAMETERS THAT WILL  
BE MONITORED DAILY TO DEMONSTRATE ONGOING



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COMPLIANCE WITH THE PARTICULATE  
EMISSIONS. DURING THE TEST, ACCEPTABLE  
RANGES FOR THESE PARAMETERS WILL BE  
ESTABLISHED. THESE PARAMETERS AND RANGES  
WILL BE ADDED TO THE PERMIT.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA Ref. Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 38: Multiple combustion sources.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.2(b)**

**Item 38.1:**

This Condition applies to Emission Unit: U-00001

**Item 38.2:**

The total heat input of all furnaces connected to the same stack or pollution control device shall be used to calculate the permissible particulate emission rate.

**Condition 39: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this

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standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner 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 year quarter. 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 emissions, 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 which the COMS are required to record data.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

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**Condition 40: Facility files for subject sources.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 40.1:**

This Condition applies to Emission Unit: U-00001

**Item 40.2:**

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 41: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of all continuous monitoring systems for measurement of opacity shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in §60.2. Six-minute opacity averages shall be calculated from 36 or more data points equally spaced over each 6-minute period. For continuous monitoring systems other than opacity, 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. An arithmetic or integrated average of all data may be used. The data may be recorded in reduced or nonreduced form (e.g., ppm



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pollutant and percent O<sub>2</sub> or ng/J of pollutant). All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in subparts. After conversion into units of the standard, the data may be rounded to the same number of significant digits as used in the applicable subparts to specify the emission limit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 42.2:**

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.



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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 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

**Item 43.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2007.  
Subsequent reports are due every 3 calendar month(s).

**Condition 44: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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





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**Facility DEC ID: 2620400064**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001

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

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NO<sub>x</sub> RACT EMISSION LIMIT FOR BOILERS  
FIRING NATURAL GAS AS FUEL IS 0.20 POUNDS  
PER MILLION BTU PER HOUR. COMPLIANCE  
WITH EMISSION LIMITS WILL BE BASED UPON  
THE RESULTS OF THE STACK TESTS. IN  
ADDITION TO STACK TEST ONCE PER PERMIT  
TERM, THE FACILITY WILL CONDUCT DAILY  
MONITORING AND MAINTAIN RECORDS OF GAS  
FLOW. FOR THE NEXT STACK TEST, THE  
FACILITY WILL IDENTIFY AT LEAST TWO  
OPERATING PARAMETERS THAT WILL BE  
MONITORED DAILY TO DEMONSTRATE ONGOING  
COMPLIANCE WITH NO<sub>x</sub>. DURING THE TEST,  
ACCEPTABLE RANGES FOR THESE PARAMETERS  
WILL BE ESTABLISHED. THESE PARAMETERS  
AND RANGES WILL BE ADDED TO THE PERMIT.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20    pounds per million Btus

Reference Test Method: 40 CFR App. A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

**Condition 45:    Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**



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**Facility DEC ID: 2620400064**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                      Emission Source: S0001

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

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 46: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                      Emission Source: S0001

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

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Facility DEC ID: 2620400064**

**Monitoring Description:**

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

**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 1/30/2008.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0002

Regulated Contaminant(s):

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

**Item 47.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES**

**Monitoring Description:**

A boiler tune-up shall be performed annually. The owner or operator of boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

**Monitoring Frequency: ANNUALLY**

**Averaging Method: CALENDAR YEAR AVERAGE**

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR)**

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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



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**Condition 48: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0002

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

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

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 1/30/2008.

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

**Condition 49: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0003

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

**Item 49.2:**



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 50: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                  Emission Source: S0003

Regulated Contaminant(s):

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

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2008.

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

**Condition 51: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 51.1:**

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:

40CFR 52-A.21

**Item 51.2:**

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

**Item 51.3:**

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 51.4:**

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 51.5:**

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 51.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: E0001
Process: 001	Emission Source: S0009

Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY210-00-0	OXIDES OF NITROGEN



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**Item 51.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD) by capping the proposed emission increase of the new boiler ( 137.8mmbtu/hr-B & W - Babcox & Wilson Boiler ) to 39.5 TPY NOx and 39.5 TPY for SO2. Facility has to limit the use of #2 oil and natural gas for the new boiler to achieve this.

If the facility is using the natural gas alone, gas usage of this new boiler shall not exceed 564 million cubic feet/ year. The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

When the facility uses natural gas and the # 2 fuel oil, facility shall record the fuel usage daily, rolled monthly and calculate the NOx and SO2 emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons each.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

The facility shall submit to the department an annual inventory listing monthly ( NOx , SO2) emissions and total (NOx , SO2) emissions for the previous year due by the 15th of April.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 564 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY



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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

**Condition 52: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 001 Emission Source: S0009

Regulated Contaminant(s):

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 53: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001





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Process: 001

Emission Source: S0009

Regulated Contaminant(s):

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

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO<sub>x</sub> emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO<sub>x</sub> emissions by performing stack tests described in subdivision (c) of this section.

The NO<sub>x</sub> RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btu per hour and those operating on gas/oil have a limit of 0.30 pounds per million Btu per hour.

Since the federal regulation 40 CFR 60 Db is applicable in this case, and is more stringent, NO<sub>x</sub> limit for this boiler is limited to 0.20 pounds per million Btu per hour when firing gas/oil.

Stack test requirements: The owner/operator of those facilities required to stack test under subdivision (a) of 6NYCRR 227-2.6 shall:

1. Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO<sub>x</sub> limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
  - i. For large (between 100 and 250 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the

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department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

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 1/30/2008.

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

**Condition 54: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 001 Emission Source: S0009

Regulated Contaminant(s):

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

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NO<sub>x</sub> limit.

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 1/30/2008.

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

**Condition 55: Applicability of General Provisions of 40 CFR 60 Subpart A**

**Effective between the dates of 08/16/2007 and 08/15/2012**



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**Applicable Federal Requirement: 40CFR 60, NSPS Subpart A**

**Item 55.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 55.2:**

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

**Condition 56:    Date of Construction Notification - if a COM is used.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 56.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 56.2:**

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, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked 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 40 CFR 60. The notice shall be postmarked 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, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; 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, postmarked not less than 30 days prior to the performance test.

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**Condition 57: Recordkeeping requirements.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 57.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: 001 Emission Source: S0009

**Item 57.2:**

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

**Condition 58: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001  
Process: 001 Emission Source: S0009

**Item 58.2:**

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 semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, 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



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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 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.

The initial report is due 1/30/2008.

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

**Condition 59: Excess Emissions Report**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 59.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 59.2:**

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

**Condition 60: Performance testing timeline.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 60.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 60.2:**

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 61: Performance test methods.**



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**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 61.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009

**Item 61.2:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

**Condition 62:    Required performance test information.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 62.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009

**Item 62.2:**

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

**Condition 63:    Prior notice.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 63.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009

**Item 63.2:**

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

**Condition 64:    Performance testing facilities.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 64.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009



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**Item 64.2:**

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

**Condition 65: Number of required tests.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 65.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 65.2:**

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

**Condition 66: Availability of information.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 66.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 66.2:**

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

**Condition 67: Opacity standard compliance testing.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 67.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009



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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

**Item 67.2:**

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

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

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

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

**Condition 68: Circumvention.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 68.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009

**Item 68.2:**

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

**Condition 69: Monitoring requirements.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 69.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001                      Emission Source: S0009

**Item 69.2:**

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

**Condition 70: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 70.1:**





**New York State Department of Environmental Conservation**

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**Facility DEC ID: 2620400064**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted.

Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

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 1/30/2008.

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

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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**



**Condition 71: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40CFR60.13(d), all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

(1) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(2) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

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 1/30/2008.

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

**Condition 72: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:



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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Additional procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of appendix B of this part shall be used.

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 1/30/2008.

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

**Condition 73: Modifications.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 73.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 73.2:**

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

**Condition 74: Reconstruction.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 74.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 74.2:**



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**Facility DEC ID: 2620400064**

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 75: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.43b(f), NSPS Subpart Db**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                  Emission Source: S0009

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

**Item 75.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6 minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**



Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 76: Particulate matter and opacity exemption.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.43b(g), NSPS Subpart Db**

**Item 76.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 76.2:**

The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

**Condition 77: Standards for oxides of nitrogen.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 77.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 77.2:**

Oxides of nitrogen emissions while firing natural gas or distillate oil in high heat release rate units shall not exceed 0.20 lb/mmBtu.

**Condition 78: Applicability of oxides of nitrogen standard.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(h), NSPS Subpart Db**

**Item 78.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 78.2:**

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup,



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**Facility DEC ID: 2620400064**

shutdown, and malfunction.

**Condition 79: Averaging period.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(i), NSPS Subpart Db**

**Item 79.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: 001 Emission Source: S0009

**Item 79.2:**

Except as noted in paragraph (j) of this section, compliance with the emission limits shall be determined on a 30 day rolling average basis.

**Condition 80: Performance test compliance.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(j), NSPS Subpart Db**

**Item 80.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: 001 Emission Source: S0009

**Item 80.2:**

Compliance with the initial performance test for nitrogen oxide shall be based on a 24 hour average, subsequent performance tests will be based on a 3 hour average.

**Condition 81: Compliance and performance methods for oxides of nitrogen and particulate matter.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db**

**Item 81.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: 001 Emission Source: S0009

**Item 81.2:**

Compliance with both the oxides of nitrogen and particulate matter standards shall be determined using the methods specified in section 40 CFR 60-Db.46b.

**Condition 82: Compliance Determination - Particulate Matter and Opacity**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(d), NSPS Subpart Db**



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**Facility DEC ID: 2620400064**

**Item 82.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 82.2:**

To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

- (1) Method 3B is used for gas analysis when applying Method 5 or Method 17.
- (2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:
  - (i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and
  - (ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.
  - (iii) Method 5B is to be used only after wet FGD systems.
- (3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.
- (4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).
- (5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.
- (6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:
  - (i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under this section,
  - (ii) The dry basis F factor, and
  - (iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).
- (7) Method 9 is used for determining the opacity of stack emissions.

**Condition 83:    Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(e)(4), NSPS Subpart Db**

**Item 83.1:**



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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                      Emission Source: S0009

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

**Item 83.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Following the date on which the initial performance test is completed or required to be completed under 40 CFR Part 60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the nitrogen oxides standards under 40 CFR Part 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, nitrogen oxides emissions data collected pursuant to 40 CFR Part 60.48b(g)(1) or 40 CFR Part 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the nitrogen oxides emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: EPA RM 7, 7A, or 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 84: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**





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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

**Applicable Federal Requirement: 40CFR 60.48b(a), NSPS Subpart Db**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                      Emission Source: S0009

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

**Item 84.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of facilities subject to 40CFR 60-Db.43b opacity standard must install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 85: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.48b(c), NSPS Subpart Db**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 001                      Emission Source: S0009

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

**Item 85.2:**



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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 86: Use of alternative methods for measuring NOx during CEMS downtime**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.48b(f), NSPS Subpart Db**

**Item 86.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 001     Emission Source: S0009

**Item 86.2:**

When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 87: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(a), NSPS Subpart Db**

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001     Emission Source: S0009

**Item 87.2:**

Compliance Certification shall include the following monitoring:

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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by 40 CFR Part 60.7. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR Part 60.42b(d)(1), 60.43b(a)(2), (a)(3)(iii), (c)(2)(ii), (d)(2)(iii), 60.44b(c), (d), (e), (i), (j), (k), 60.45b(d), (g), 60.46b(h), or 60.48b(i),

(3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired, and,

(4) Notification that an emerging technology will be used for controlling emissions of sulfur dioxide. The Administrator will examine the description of the emerging technology and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of 40 CFR Part 60.42b(a) unless and until this determination is made by the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 88: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(b), NSPS Subpart Db**

**Item 88.1:**



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**Facility DEC ID: 2620400064**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the sulfur dioxide, particulate matter, and/or nitrogen oxides emission limits under 40 CFR Part 60.42b, 60.43b, and 60.44b shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 89: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 90: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(f), NSPS Subpart Db**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

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

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator shall maintain records of opacity measurements made by the monitoring system required under 40CFR60.48b(a).

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 91: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db**

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

Regulated Contaminant(s):

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**



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

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

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Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 92: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 93: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db**

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 001    Emission Source: S0009



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Regulated Contaminant(s):

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

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

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 1/30/2008.

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

**Condition 94: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 002

Regulated Contaminant(s):

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

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx RACT EMISSION LIMIT FOR LARGE BOILERS FIRING DISTILLATE OIL # 2 AS FUEL, IS 0.30 POUNDS PER MILLION BTU PER HOUR. COMPLIANCE WITH EMISSION LIMITS WILL BE BASED UPON THE RESULTS OF THE





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STACK TESTS. IN ADDITION TO STACK TEST ONCE PER PERMIT TERM, THE FACILITY WILL CONDUCT DAILY MONITORING AND MAINTAIN RECORDS OF FUEL FLOW. FOR THE NEXT STACK TEST, THE FACILITY WILL IDENTIFY AT LEAST TWO OPERATING PARAMETERS THAT WILL BE MONITORED DAILY TO DEMONSTRATE ONGOING COMPLIANCE WITH NO<sub>x</sub>. DURING THE TEST, ACCEPTABLE RANGES FOR THESE PARAMETERS WILL BE ESTABLISHED. THESE PARAMETERS AND RANGES WILL BE ADDED TO THE PERMIT.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR App. A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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

**Condition 95: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 002 Emission Source: S0001

Regulated Contaminant(s):

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

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to



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stack test once per term of the permit, to determine compliance with their NOx limit.

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 1/30/2008.

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

**Condition 96: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 002 Emission Source: S0002

Regulated Contaminant(s):

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

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

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 1/30/2008.

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

**Condition 97: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 97.1:**



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The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0002

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

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NO<sub>x</sub> limit.

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 1/30/2008.

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

**Condition 98: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0003

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

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part



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60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

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 1/30/2008.

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

**Condition 99: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 99.1:**

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:

40CFR 52-A.21

**Item 99.2:**

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

**Item 99.3:**

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 99.4:**

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 99.5:**

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 99.6:**

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001      Emission Point: E0001  
Process: 002                      Emission Source: S0009

**Regulated Contaminant(s):**

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

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 99.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

**Monitoring Description:**

The facility is capping out from 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD). Facility has to limit the use of # 2 oil and natural gas for the new boiler(137.8 MMBtu/hr -B & W - Babcox & Wilson Boiler) to cap the proposed emission increase of the new boiler to 39.5 TPY NO<sub>x</sub> and 39.5 TPY for SO<sub>2</sub>.

If the facility is using # 2 fuel oil alone, oil usage of this new boiler shall not exceed 2.5 millions gallons/year. The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

When the facility uses natural gas and the #2 fuel oil, facility shall record the fuel usage daily, rolled monthly and calculate the sulfur dioxide emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit.

The facility shall maintain records showing the quantity of fuel burned monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. The information shall be made available to the department upon request. The facility shall submit to the department an annual inventory listing monthly SO<sub>2</sub> emissions and total SO<sub>2</sub> emissions for the previous year due by the 15th of April.



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Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: NUMBER 2 OIL  
Upper Permit Limit: 2500000 gallons per year  
Monitoring Frequency: DAILY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2007.  
Subsequent reports are due every 3 calendar month(s).

**Condition 100: Compliance Certification**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)**

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 002                      Emission Source: S0009

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

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO<sub>x</sub> emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO<sub>x</sub> emissions by performing stack tests described in subdivision (c) of this section.

The NO<sub>x</sub> RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btu per hour and those operating on gas/oil have a limit of 0.30 pounds per million Btu per hour.

Since the federal regulation 40 CFR 60 Db is applicable in this case, and is more stringent, NO<sub>x</sub> limit for this boiler is limited to 0.20 pounds per million Btu per hour when firing gas/oil.

Stack test requirements: The owner/operator of those



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facilities required to stack test under subdivision (a) of 6NYCRR 227-2.6 shall:

1. Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
  - i. For large (between 100 and 250 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

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 1/30/2008.

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

**Condition 101: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: E0001
Process: 002	Emission Source: S0009

Regulated Contaminant(s):

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

**Item 101.2:**



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of large or mid-size boilers shall utilize stack testing Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test method approved by the Department. Large boilers shall be required to stack test once per term of the permit, to determine compliance with their NOx limit.

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 1/30/2008.

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

**Condition 102: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart A**

**Item 102.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 102.2:**

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

**Condition 103: Date of Construction Notification - if a COM is used.  
Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 103.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 103.2:**

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, postmarked no later than 30 days after such date;





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- 3) a notification of the actual date of initial start up, postmarked 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 40 CFR 60. The notice shall be postmarked 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, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; 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, postmarked not less than 30 days prior to the performance test.

**Condition 104: Recordkeeping requirements.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 104.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 104.2:**

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

**Condition 105: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 105.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002     Emission Source: S0009

**Item 105.2:**



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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 semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, 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 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.

The initial report is due 1/30/2008.

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

**Condition 106: Excess Emissions Report**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 106.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009



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**Item 106.2:**

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

**Condition 107: Performance testing timeline.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 107.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 107.2:**

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 108: Performance test methods.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 108.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 108.2:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

**Condition 109: Required performance test information.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 109.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 109.2:**

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

**Condition 110: Prior notice.**

**Effective between the dates of 08/16/2007 and 08/15/2012**



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

**Item 110.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 110.2:**

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

**Condition 111: Performance testing facilities.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 111.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 111.2:**

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

**Condition 112: Number of required tests.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 112.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 112.2:**

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

**Condition 113: Availability of information.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 113.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 113.2:**

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

**Condition 114: Opacity standard compliance testing.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 114.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 114.2:**

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

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and
- 3) all other applicable conditions cited in section 60.11 of this part.

**Condition 115: Circumvention.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 115.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 115.2:**

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



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**Condition 116: Monitoring requirements.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 116.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 116.2:**

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

**Condition 117: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002     Emission Source: S0009

**Item 117.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a

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COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

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 1/30/2008.

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

**Condition 118: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 002                      Emission Source: S0009

**Item 118.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40CFR60.13(d), all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

(1) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(2) All continuous monitoring systems referenced by



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40CFR60.13(c) for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

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 1/30/2008.

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

**Condition 119: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002                Emission Source: S0009

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Additional procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of appendix B of this part shall be used.

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 1/30/2008.

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

**Condition 120: Modifications.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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





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**Item 120.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 120.2:**

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

**Condition 121: Reconstruction.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 121.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 121.2:**

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 122: Demonstration criteria for low sulfur oil.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.42b(j), NSPS Subpart Db**

**Item 122.1:**



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This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 122.2:**

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO<sub>2</sub> emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

**Condition 123: Particulate matter standard.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.43b(b), NSPS Subpart Db**

**Item 123.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 123.2:**

Particulate matter emissions oil or oil and other fuels shall not exceed 0.10 lb/mmBtu.

**Condition 124: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.43b(f), NSPS Subpart Db**

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002                      Emission Source: S0009

Regulated Contaminant(s):

CAS No: 0NY075-00-0    PARTICULATES

**Item 124.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not cause to be discharged  
into the atmosphere any gases that exhibit greater than 20

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percent opacity (6 minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 125: Particulate matter and opacity exemption.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.43b(g), NSPS Subpart Db**

**Item 125.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 125.2:**

The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

**Condition 126: Standards for oxides of nitrogen.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 126.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 126.2:**

Oxides of nitrogen emissions while firing natural gas or distillate oil in high heat release rate units shall not exceed 0.20 lb/mmBtu.

**Condition 127: Applicability of oxides of nitrogen standard.**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(h), NSPS Subpart Db**

**Item 127.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009



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**Item 127.2:**

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

**Condition 128: Averaging period.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(i), NSPS Subpart Db**

**Item 128.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 128.2:**

Except as noted in paragraph (j) of this section, compliance with the emission limits shall be determined on a 30 day rolling average basis.

**Condition 129: Performance test compliance.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.44b(j), NSPS Subpart Db**

**Item 129.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 129.2:**

Compliance with the initial performance test for nitrogen oxide shall be based on a 24 hour average, subsequent performance tests will be based on a 3 hour average.

**Condition 130: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.45b(j), NSPS Subpart Db**

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002     Emission Source: S0009

**Item 130.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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The owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of this section if the owner or operator obtains fuel receipts as described in §60.49b(r).

Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 131: Compliance and performance methods for oxides of nitrogen and particulate matter.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db**

**Item 131.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 131.2:**

Compliance with both the oxides of nitrogen and particulate matter standards shall be determined using the methods specified in section 40 CFR 60-Db.46b.

**Condition 132: Compliance Determination - Particulate Matter and Opacity**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(d), NSPS Subpart Db**

**Item 132.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002                      Emission Source: S0009

**Item 132.2:**

To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

(1) Method 3B is used for gas analysis when applying Method 5 or Method 17.

(2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:

- (i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and
- (ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of



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Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.

(iii) Method 5B is to be used only after wet FGD systems.

(3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.

(4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).

(5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.

(6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:

(i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under this section,

(ii) The dry basis F factor, and

(iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).

(7) Method 9 is used for determining the opacity of stack emissions.

**Condition 133: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(e)(4), NSPS Subpart Db**

**Item 133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: 002                      Emission Source: S0009

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

**Item 133.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Following the date on which the initial performance test  
is completed or required to be completed under 40 CFR Part

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60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the nitrogen oxides standards under 40 CFR Part 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, nitrogen oxides emissions data collected pursuant to 40 CFR Part 60.48b(g)(1) or 40 CFR Part 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the nitrogen oxides emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: EPA RM 7, 7A, or 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 134: Alternative sulfur dioxide monitoring method.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db**

**Item 134.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 134.2:**

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r).

**Condition 135: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.48b(a), NSPS Subpart Db**

**Item 135.1:**



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The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

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

**Item 135.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of facilities subject to 40CFR 60-Db.43b opacity standard must install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 136: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.48b(c), NSPS Subpart Db**

**Item 136.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

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

**Item 136.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES





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**Monitoring Description:**

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

**Monitoring Frequency:** CONTINUOUS

**Reporting Requirements:** SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 137: Use of alternative methods for measuring NOx during CEMS downtime**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.48b(f), NSPS Subpart Db**

**Item 137.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: 002     Emission Source: S0009

**Item 137.2:**

When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 138: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(a), NSPS Subpart Db**

**Item 138.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002     Emission Source: S0009

**Item 138.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type:** RECORD KEEPING/MAINTENANCE PROCEDURES

**Monitoring Description:**

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The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by 40 CFR Part 60.7. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR Part 60.42b(d)(1), 60.43b(a)(2), (a)(3)(iii), (c)(2)(ii), (d)(2)(iii), 60.44b(c), (d), (e), (i), (j), (k), 60.45b(d), (g), 60.46b(h), or 60.48b(i),

(3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired, and,

(4) Notification that an emerging technology will be used for controlling emissions of sulfur dioxide. The Administrator will examine the description of the emerging technology and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of 40 CFR Part 60.42b(a) unless and until this determination is made by the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 139: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(b), NSPS Subpart Db**

**Item 139.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

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Process: 002

Emission Source: S0009

**Item 139.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the sulfur dioxide, particulate matter, and/or nitrogen oxides emission limits under 40 CFR Part 60.42b, 60.43b, and 60.44b shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 140: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db**

**Item 140.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 002 Emission Source: S0009

**Item 140.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2008.

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

**Condition 141: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(f), NSPS Subpart Db**

**Item 141.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

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

**Item 141.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of opacity measurements made by the monitoring system required under 40CFR60.48b(a).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 142: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db**

**Item 142.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

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

**Item 142.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 143: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db**

**Item 143.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

**Item 143.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 144: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db**

**Item 144.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

Regulated Contaminant(s):

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

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**Item 144.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

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 1/30/2008.

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

**Condition 145: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(j), NSPS Subpart Db**

**Item 145.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: 002 Emission Source: S0009

**Item 145.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semiannual reporting period. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2008.

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

**Condition 146: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.49b(r), NSPS Subpart Db**

**Item 146.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: 002    Emission Source: S0009

Regulated Contaminant(s):

CAS No: 007446-09-5    SULFUR DIOXIDE

**Item 146.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator who elects to demonstrate that the affected facility combusts only very low sulfur oil shall obtain and maintain at the facility fuel receipts from the fuel supplier which certify that the oil meets the definition of distillate oil as defined 40CFR60.41b. For the purposes of this requirement, the oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Semiannual reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding semiannual period.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 147: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 147.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of





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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:

40CFR 52-A.21

**Item 147.2:**

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

**Item 147.3:**

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 147.4:**

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 147.5:**

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 147.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                  Emission Source: S0010

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

**Item 147.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention  
of Significant Deterioration (PSD).

The facility is intending to cap the combined PTE of the  
new Cogen Unit (Turbine and duct burner) to 20.20 TPY of



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NOx. Facility has to limit the use of natural gas for the Turbine and duct burner to cap the proposed emission increase of the new Cogen unit to 39.5 TPY NOx and 39.5 TPY for SO2.

Natural gas consumption will be limited to about 750million cubic feet/year for the Turbine and 332 million cubic feet/year for duct burner.

The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new cogen unit shall be with in the above-mentioned limit.

Facility shall calculate the NOx emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit. The facility shall calculate NOx emission total by summing the individual monthly emissions during any consecutive 12-month period. At the beginning of each month, the facility shall calculate total NOx emissions of the previous month and total NOx emissions of the previous consecutive 12-month period.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 750 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 148: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 148.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001



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Process: CNG

Emission Source: S0010

Regulated Contaminant(s):

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

**Item 148.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for combined cycle turbines firing gas.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume  
(dry, corrected to 15% O2)

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 149: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**Item 149.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: CNG Emission Source: S0010

Regulated Contaminant(s):

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

**Item 149.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of:

- 1) simple cycle combustion turbines shall utilize stack test Method 20 from 40 CFR Part 60, Appendix A;
- 2) combined cycle combustion turbine with a heat input rating of less than or equal to 250 mmBtu/hr shall utilize stack test Method, 7, 7E, 19, or 20 from 40 CFR Part 6, Appendix A; or
- 3) another stack test Method approved by the

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Department.

Owners or operators of simple cycle combustion turbines or combined cycle combustion turbine with a heat input rate of 250 mmBtu/hr or less shall be required to perform either a stack test or other Department approved method, to determine compliance with their NOx limit, once per the term of their permit.

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 1/30/2008.

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

**Condition 150: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(f), NSPS Subpart Db**

**Item 150.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                  Emission Source: S0010

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

**Item 150.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To determine compliance with the emission limit for nitrogen oxides required by 40 CFR 60.44b(a)(4) for duct burners used in combined cycle systems, the owner or operator of an affected facility shall conduct the performance test required under 40 CFR 60.8 using the nitrogen oxides and oxygen measurement procedures in 40 CFR part 60 appendix A, Method 20. During the performance test, one sampling site shall be located as close as practicable to the exhaust of the turbine, as provided by section 6.1.1 of Method 20. A second sampling site shall be located at the outlet to the steam generating unit. Measurements of nitrogen oxides and oxygen shall be taken at both sampling sites during the performance test. The



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nitrogen oxides emission rate from the combined cycle system shall be calculated by subtracting the nitrogen oxides emission rate measured at the sampling site at the outlet from the turbine from the nitrogen oxides emission rate measured at the sampling site at the outlet from the steam generating unit.

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: EPA Method 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 151: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(f), NSPS Subpart Db**

**Item 151.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                  Emission Source: S0010

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

**Item 151.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To determine compliance with the emission limit for nitrogen oxides required by §60.44b(a)(4) for duct burners used in combined cycle systems, the owner or operator of an affected facility shall conduct the performance test required under §60.8 using the nitrogen oxides and oxygen measurement procedures in 40 CFR part 60 appendix A, Method 20. During the performance test, one sampling site shall be located as close as practicable to the exhaust of the turbine, as provided by section 6.1.1 of Method 20. A second sampling site shall be located at the outlet to the steam generating unit. Measurements of nitrogen oxides and oxygen shall be taken at both sampling sites during the performance test. The nitrogen oxides emission rate from the combined cycle system shall be calculated by subtracting the nitrogen oxides emission rate measured at

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the sampling site at the outlet from the turbine from the nitrogen oxides emission rate measured at the sampling site at the outlet from the steam generating unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 152: Sulfur dioxide standard.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 152.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: CNG Emission Source: S0010

**Item 152.2:**

No gas turbine shall emit sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen on a dry basis.

**Condition 153: Sulfur in fuel standard.**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 153.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: E0001  
Process: CNG Emission Source: S0010

**Item 153.2:**

No gas turbine shall fire a fuel with more than 0.80% sulfur content.

### Condition 154: Compliance Certification

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 154.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                      Emission Source: S0010

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



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**Item 154.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator subject to the provisions of 40CFR60 Subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis. Compliance shall be determined by performing an emission test using test methods and procedures specified in 40CFR60.335.

Upper Permit Limit: 0.015 percent by volume

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 1/30/2008.

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

**Condition 155: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 155.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: CNG Emission Source: S0010

Regulated Contaminant(s):

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

**Item 155.2:**

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

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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 7/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 156: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 156.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                  Emission Source: S0010

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

**Item 156.2:**

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 NO<sub>x</sub> emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance.

If the NO<sub>x</sub> emission result from the performance test is less than or equal to 75% of the NO<sub>x</sub> 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 NO<sub>x</sub> emission limit for the turbine, the facility must resume annual performance tests.



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Reference Test Method: EPA Method 7E or Met

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 157: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 157.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: CNG    Emission Source: S0010

Regulated Contaminant(s):

CAS No: 007446-09-5    SULFUR DIOXIDE

**Item 157.2:**

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.



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

**Condition 158: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 158.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: E0001  
Process: CNG    Emission Source: S0010

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

**Item 158.2:**

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.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 159: Test methods for NO<sub>x</sub>**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 159.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: CNG    Emission Source: S0010

**Item 159.2:**

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 160: NO<sub>x</sub> performance testing methodology**



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**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 160.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: CNG                      Emission Source: S0010

**Item 160.2:**

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 161: Capping Monitoring Condition**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 161.1:**

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:

40CFR 52-A.21

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**Item 161.2:**

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

**Item 161.3:**

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 161.4:**

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 161.5:**

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 161.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                      Emission Source: S0011

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

**Item 161.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD).

The facility is intending to cap the combined PTE of the new Cogen Unit (Turbine and Duct burner) to 20.20 TPY of NOx. Facility has to limit the use of natural gas for the turbine and duct burner to cap the proposed emission increase of the new Cogen Unit to 39.5 TPY NOx and 39.5 TPY for SO2. Natural gas consumption will be limited to

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about 750million cubic feet/year for the turbine and 332 million cubic feet/year for duct burner.

The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new Cogen unit shall be with in the above-mentioned limit.

Facility shall calculate the NOx emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit. The facility shall calculate NOx emission total by summing the individual monthly emissions during any consecutive 12-month period. At the beginning of each month, the facility shall calculate total NOx emissions of the previous month and total NOx emissions of the previous consecutive 12-month period.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 332 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 162: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 162.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: CNG Emission Source: S0011

Regulated Contaminant(s):



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

**Item 162.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for combined cycle turbines firing gas.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 163: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(f), NSPS Subpart Db**

**Item 163.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001  
Process: CNG Emission Source: S0011

Regulated Contaminant(s):

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

**Item 163.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To determine compliance with the emission limit for nitrogen oxides required by 40 CFR 60.44b(a)(4) for duct burners used in combined cycle systems, the owner or operator of an affected facility shall conduct the performance test required under 40 CFR 60.8 using the nitrogen oxides and oxygen measurement procedures in 40 CFR part 60 appendix A, Method 20. During the performance test, one sampling site shall be located as close as practicable to the exhaust of the turbine, as provided by section 6.1.1 of Method 20. A second sampling site shall be located at the outlet to the steam generating unit.



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Measurements of nitrogen oxides and oxygen shall be taken at both sampling sites during the performance test. The nitrogen oxides emission rate from the combined cycle system shall be calculated by subtracting the nitrogen oxides emission rate measured at the sampling site at the outlet from the turbine from the nitrogen oxides emission rate measured at the sampling site at the outlet from the steam generating unit.

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: EPA Method 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 164: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 40CFR 60.46b(f), NSPS Subpart Db**

**Item 164.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                      Emission Source: S0011

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

**Item 164.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To determine compliance with the emission limit for nitrogen oxides required by §60.44b(a)(4) for duct burners used in combined cycle systems, the owner or operator of an affected facility shall conduct the performance test required under §60.8 using the nitrogen oxides and oxygen measurement procedures in 40 CFR part 60 appendix A, Method 20. During the performance test, one sampling site shall be located as close as practicable to the exhaust of the turbine, as provided by section 6.1.1 of Method 20. A second sampling site shall be located at the outlet to the steam generating unit. Measurements of nitrogen oxides and oxygen shall be taken at both sampling sites during the performance test. The nitrogen oxides emission rate from



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the combined cycle system shall be calculated by subtracting the nitrogen oxides emission rate measured at the sampling site at the outlet from the turbine from the nitrogen oxides emission rate measured at the sampling site at the outlet from the steam generating unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 165: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 165.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: CNG Emission Source: S0011

Regulated Contaminant(s):

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

**Item 165.2:**

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 or Met

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION





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Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 166: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 166.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                      Emission Source: S0011

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

**Item 166.2:**

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 167: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 167.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001      Emission Point: E0001  
Process: CNG                      Emission Source: S0011

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

**Item 167.2:**

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.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 168: Test methods for NO<sub>x</sub>**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 168.1:**

This Condition applies to      Emission Unit: U-00001      Emission Point: E0001  
   Process: CNG                      Emission Source: S0011

**Item 168.2:**

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 169: NO<sub>x</sub> performance testing methodology**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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



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**Item 169.1:**

This Condition applies to    Emission Unit: U-00001    Emission Point: E0001  
   Process: CNG     Emission Source: S0011

**Item 169.2:**

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 170: EtO sterilization - Abator operation required during sterilization**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 170.1:**

This Condition applies to    Emission Unit: U-00002

**Item 170.2:**

The EtO abator must be in operation whenever EtO sterilization is conducted.

**Condition 171: Compliance Certification**

**Effective between the dates of 08/16/2007 and 08/15/2012**



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**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 171.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000075-21-8 ETHYLENE OXIDE

**Item 171.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall maintain a log containing the following information:

- the date and # of sterilization loads;
- the number of ETO cartridges used and its type (100gms or 170gms) per day, year;
- date and time of sterilizers malfunction and maintenance.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 172: Compliance Plan**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 172.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-00002

Process: 003

Emission Source: S0006

Consent Order: R220020628

Progress Report Begin Date: 10/31/2003

**Item 172.2:**

Remedial Measure:

Schedule Date: 01/01/2004



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**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

Commencement of construction/installation

**Intermediate Milestones:**

Schedule Date: 09/01/2003

**BIDDING SELECTION**

Schedule Date: 11/01/2003

**CONTRACT AWARD\*CONTRACT AWARD AND SUBSEQUENT DATES ARE  
DEPENDENT ON DEC'S APPROVAL OF THE APPLICATION.**

Schedule Date: 07/01/2003

**SPECIFICATION PREPARATION/BIDDING**

Schedule Date: 09/01/2003

**Bidding selection**

Schedule Date: 11/01/2003

**Contract award\*contract award and subsequent dates are  
dependent on DEC's approval of the application.**

Schedule Date: 07/01/2003

**Specification preparation/bidding**

**Item 172.3:**

Remedial Measure:

Schedule Date: 05/01/2004

**Initial start up**

**Condition 173: Compliance Plan**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 173.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-00002

Process: 003

Emission Source: S0007

Consent Order: R220020628

Progress Report Begin Date: 10/31/2003

**Item 173.2:**

Remedial Measure:

Schedule Date: 01/01/2004

**Commencement of construction/installation**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00005**

**Facility DEC ID: 2620400064**

**Intermediate Milestones:**

Schedule Date: 07/01/2003

SPECIFICATION PREPARATION/BIDDING

Schedule Date: 09/01/2003

BIDDING SELECTION

Schedule Date: 11/01/2003

CONTRACT AWARD\*CONTRACT AWARD AND SUBSEQUENT DATES ARE  
DEPENDENT ON DEC'S APPROVAL OF THE APPLICATION.

Schedule Date: 07/01/2003

Specification preparation/bidding

Schedule Date: 09/01/2003

Bidding selection

Schedule Date: 11/01/2003

CONTRACT AWARD\*contract award and subsequent dates are  
dependent on DEC's approval of the application.

**Item 173.3:**

**Remedial Measure:**

Schedule Date: 05/01/2004

Initial start up

**Condition 174: Compliance Plan**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 174.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-00002

Process: 003

Emission Source: S0008

Consent Order: R220020628

Progress Report Begin Date: 10/31/2003

**Item 174.2:**

**Remedial Measure:**

Schedule Date: 01/01/2004

Commencement of construction/installation

**Intermediate Milestones:**

Schedule Date: 07/01/2003

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**SPECIFICATION PREPARATION/BIDDING**

Schedule Date: 09/01/2003

**BIDDING SELECTION**

Schedule Date: 11/01/2003

**CONTRACT AWARD\*CONTRACT AWARD AND SUBSEQUENT DATES ARE  
DEPENDENT ON DEC'S APPROVAL OF THE APPLICATION**

Schedule Date: 07/01/2003

Specification preparation/bidding

Schedule Date: 09/01/2003

Bidding selection

Schedule Date: 11/01/2003

**CONTRACT AWARD\*contract award and subsequent dates are  
dependent on DEC's approval of the application.**

**Item 174.3:**

Remedial Measure:

Schedule Date: 05/01/2004

Initial start up

**Condition 175: Emissions from existing sources**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(a)**

**Item 175.1:**

This Condition applies to Emission Unit: U-00002 Emission Point: E0002  
Process: 003

**Item 175.2:**

No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or  
Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.



**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 176: Contaminant List**  
**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 176.1:**

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





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

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 177: Unavoidable noncompliance and violations**

**Effective between the dates of 08/16/2007 and 08/15/2012**

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

**Item 177.1:**

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.

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(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 178: Air pollution prohibited**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 178.1:**

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 179: Compliance Demonstration**

**Effective between the dates of 08/16/2007 and 08/15/2012**

**Applicable State Requirement: 6NYCRR 227-1.4(a)**

**Item 179.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 179.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions,



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and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40CFR60 Appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2007.

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