



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6201-00005/00007
Mod 0 Effective Date: 10/28/2008 Expiration Date: 10/27/2013
Mod 1 Effective Date: 06/09/2009 Expiration Date: 10/27/2013

Permit Issued To: THE NEW YORK AND PRESBYTERIAN HOSPITAL
525 E 68TH ST
NEW YORK, NY 10065-4885

Contact: GRAEME MITCHELL
THE NEW YORK AND PRESBYTERIAN HOSPITAL
525 E 68TH ST
NEW YORK, NY 10065
(212) 746-7671

Facility: NEW YORK PRESBYTERIAN HOSPITAL
622 W 168TH ST
NEW YORK, NY 10032-3702

Contact: JOSEPH COLELLA
THE NEW YORK AND PRESBYTERIAN HOSPITAL
177 FORT WASHINGTON AVE STE 9006
NEW YORK, NY 10032
(212) 305-1414

Description:

PERMIT DESCRIPTION
New York Presbyterian Hospital
DEC ID # 2-6201-00005/00007 (Ren 1, Mod 1)

New York Presbyterian Hospital (NYPH), located at 622 West 168th Street, New York, NY, operates a few emission sources that include four large size boilers (two 150 MM Btu/hr and two new identical 137.8 MM Btu/hr), eight emergency generators, one ethylene oxide sterilizer with a wet-scrubber, and few other exempt sources according to 6 NYCRR 201- 3.2(c) under a Renewal # 1 Air Title V permit issued on 10/28/2008. The permit is based on an annual facility-wide #6 fuel oil restriction of 4.5 million gallons. The facility's wide NOx emission limit is 174.64 tpy, which is based on the December, 2007 stack test results NOx emission results.

This is a minor modification permit application to seek flexibility in the amount of natural gas and #6 fuel oil consumed by the two new 137.8 MM Btu/hr



boilers (Emission Sources 00008 & 00009), and to recalculate the fuel consumption limit based on the December, 2007 stack test results NOx emission results. With the flexible fuel consumption, compliance will be achieved by capping NOx as well as SO2 emissions from each of the two new boilers. The current permit sums up to 56.8 tpy of NOx and 44.3 tpy of SO2 for the first new boiler (Emission Source 00008). Similarly, 69.0 tpy of NOx and 56.6 tpy of SO2 for the second new boiler (Emission Source S0009). The December, 2007 stack test results indicated substantially low NOx emissions rates than AP-42 factors.

Currently, the first new 137.8 MM Btu/hr boiler (Emission Source 00008) is limited to use 300 million cubic feet of natural gas and 1.87 MM Btu/hr of #6 fuel oil. This is equivalent to 56.8 and 44.3 tpy of Sulfur Dioxide (SO2). The second new 137.8 MM Btu/hr (Emission Source 00009) is limited to use 300 million cubic feet of natural gas and 2.4 million gallons of #6 fuel oil. These fuel consumption limit were based on AP-42 Oxides of Nitrogen (NOx) emission factors. However; the facility has conducted stack testing in December, 2007 and the results are as follows:

BOILER	# 6 Oil (lbs/MM Btu)	# 6 Oil (lbs/1000 gal)	NG (Lbs/MM Btu)	NG (lbs/MM cu ft)
Boiler 00008	0.2155	32.325	0.0466	46.6
Boiler S0009	0.2582	38.73	0.0302	30.2

For the first new 137.8 MM Btu/hr boiler (Emission Source 00008), the facility will use #6 fuel oil and natural gas in a combination so as to remain under 56.8 tpy of NOx, and 44.3 tpy of SO2. Similarly, for the second new 137.8 MM Btu/hr boiler (Emission Source S0009), the facility will use #6 fuel oil and natural gas in a combination so as to remain under 69.0 tpy of NOx and 56.6 tpy of SO2. Therefore, the restriction should be made on rolling NOx and SO2 and not on any specific amount of #6 fuel oil and/or natural gas. The facility wide limit of #6 fuel oil remains limited to 4.5 million gallons per year.

BOILER	NOx from # 6 oil	NOx from NG	Total NOx (tpy)
Boiler 00008	30.22	27.44	57.66
Boiler S0009	46.48	17.78	64.26

The heat value of # 6 fuel oil is 148,000 Btu/gallon, and the heat value of natural



gas is 1,025 Btu/cu ft. The sulfur content limit in # 6 fuel oil is 0.30 % by weight. The emission rate of Oxides of Nitrogen in natural gas is 140 lbs/1,000,000 cubic feet.

Based on the above facts, the facility is requesting that Emission Source 00008 be allowed to use up to a maximum of 1.87 million gallons of #6 fuel oil in combination with 300 million cubic feet of natural gas (as currently permitted). In addition, in the event of lower usage of #6 fuel oil, more natural gas can be used which still allows to keep NOx emissions below 56.8 tpy and SO2 below 44.3 tpy such that NSR/PSD is not triggered. In other words, the restriction is made on rolling NOx (56.8 tpy) and SO2 (44.3 tpy) and not on any particular amount of #6 fuel oil and/or natural gas.

Similarly, the second new boiler (Emission Source 00009) may be allowed to use up to a maximum of 2.4 million gallons of #6 fuel oil in combination with 300 million cubic feet of natural gas (as currently permitted). In addition, in the event of lower usage (consumption) of #6 fuel oil, more cubic feet of natural gas can be used, which still allows to keep NOx emissions below 69.0 tpy and SO2 below 56.6 tpy such that NSR/PSD is not triggered. In other words, the restriction is made on rolling NOx (69.0 tpy) and SO2 (56.6 tpy) emissions and not on any specific amount of #6 fuel oil and/or natural gas.

The facility will demonstrate compliance with the SO2 emission standards and the 44.3 tpy of SO2 for the first new 137.8 MM Btu/hr boiler (Emission Source 00008), and the 56.6 tpy SO2 cap for the second new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source S0009), by the use of the fuel supplier certification for the sulfur content in the #6 fuel oil instead of the use of Continuous Emission Monitoring System (CEMS). The certification from the fuel supplier must include the name of the oil supplier, and a statement from the oil supplier that the oil complied with the specifications under the definition of residual oil in New York City. In addition, the certification from the fuel supplier must be submitted with the quarterly, semi-annual and annual compliance report to provide the sulfur content of the #6 fuel oil because the SO2 emissions are based on the sulfur content of the #6 fuel oil.

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

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



Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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



Item 3.3:

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 1-1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

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



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

**Condition 5: Submission of application for permit modification or renewal-REGION 2
HEADQUARTERS**

Applicable State Requirement: 6NYCRR 621.6(a)

Item 5.1:

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

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



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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525 E 68TH ST
NEW YORK, NY 10065-4885

Facility: NEW YORK PRESBYTERIAN HOSPITAL
622 W 168TH ST
NEW YORK, NY 10032-3702

Authorized Activity By Standard Industrial Classification Code:
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Mod 0 Permit Effective Date: 10/28/2008

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LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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

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 201-7: Facility Permissible Emissions
- *1-1 6NYCRR 201-7: Capping Monitoring Condition
- *1-2 6NYCRR 201-7: Capping Monitoring Condition
- *1-3 6NYCRR 201-7: Capping Monitoring Condition
- *1-4 6NYCRR 201-7: Capping Monitoring Condition
- *1-5 6NYCRR 201-7: Capping Monitoring Condition
- 25 6NYCRR 225-1.2(a)(2): Compliance Certification
- 26 6NYCRR 225-1.2(a)(2): Compliance Certification
- 27 6NYCRR 225-1.8: Compliance Certification
- 28 6NYCRR 225.1(a)(3): Compliance Certification



- 29 6NYCRR 227-1.3(a): Compliance Certification
- 30 6NYCRR 227-2.5(a): Compliance Certification
- 31 40CFR 60.13(c), NSPS Subpart A: Compliance Certification
- 32 40CFR 60.15, NSPS Subpart A: Reconstruction

Emission Unit Level

- 33 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 34 6NYCRR 201-6: Process Definition By Emission Unit
- 35 6NYCRR 201-7: Emission Unit Permissible Emissions
- 36 6NYCRR 201-7: Process Permissible Emissions

EU=U-00001,EP=00001

- 37 6NYCRR 227-2.1(a)(5): Compliance Certification
- 38 6NYCRR 227-2.6(b): Compliance Certification
- 39 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.

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

- 40 40CFR 60.7(c), NSPS Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=001,ES=00004

- 41 6NYCRR 227-2.4(b): Compliance Certification
- 42 6NYCRR 227-2.6(a)(3): Compliance Certification
- 43 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=001,ES=00005

- 44 6NYCRR 227-2.4(b): Compliance Certification
- 45 6NYCRR 227-2.6(a)(3): Compliance Certification
- 46 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=001,ES=00008

- 48 6NYCRR 227-2.4(b): Compliance Certification
- 49 6NYCRR 227-2.6(a)(3): Compliance Certification
- 50 6NYCRR 227-2.6(c): Compliance Certification
- 51 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 52 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 53 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 54 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 55 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 56 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 57 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 58 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 59 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 60 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 61 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 62 40CFR 60.9, NSPS Subpart A: Availability of information.
- 63 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 64 40CFR 60.12, NSPS Subpart A: Circumvention.
- 65 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 66 40CFR 60.14, NSPS Subpart A: Modifications.
- 67 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification



- 68 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 69 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 70 40CFR 60.44b(j), NSPS Subpart Db: Compliance Certification
- 71 40CFR 60.44b(k), NSPS Subpart Db: Compliance Certification
- 72 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 73 40CFR 60.46b(e), NSPS Subpart Db: Compliance Certification
- 74 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification
- 75 40CFR 60.48b(b), NSPS Subpart Db: Compliance Certification
- 76 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NOx during CEMS downtime
- 77 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 78 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 79 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 80 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 81 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 82 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 83 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

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

- 85 6NYCRR 227-2.4(b): Compliance Certification
- 86 6NYCRR 227-2.6(a)(3): Compliance Certification
- 87 6NYCRR 227-2.6(c): Compliance Certification
- 88 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 89 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 90 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 91 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 92 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 93 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 94 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 95 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 96 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 97 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 98 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 99 40CFR 60.9, NSPS Subpart A: Availability of information.
- 100 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 101 40CFR 60.12, NSPS Subpart A: Circumvention.
- 102 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 103 40CFR 60.14, NSPS Subpart A: Modifications.
- 104 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
- 105 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 106 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 107 40CFR 60.44b(j), NSPS Subpart Db: Compliance Certification
- 108 40CFR 60.44b(k), NSPS Subpart Db: Compliance Certification
- 109 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 110 40CFR 60.46b(e), NSPS Subpart Db: Compliance Certification
- 111 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification



- 112 40CFR 60.48b(b), NSPS Subpart Db: Compliance Certification
- 113 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NOx during CEMS downtime
- 114 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 115 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 116 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 117 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 118 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 119 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 120 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

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

- 121 6NYCRR 227.2(b)(1): Compliance Certification
- 122 40CFR 60.7(c), NSPS Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=002,ES=00004

- 123 6NYCRR 227-2.4(b): Compliance Certification
- 124 6NYCRR 227-2.6(a)(3): Compliance Certification
- 125 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=002,ES=00005

- 126 6NYCRR 227-2.4(b): Compliance Certification
- 127 6NYCRR 227-2.6(a)(3): Compliance Certification
- 128 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=002,ES=00008

- 130 6NYCRR 227-2.4(b): Compliance Certification
- 131 6NYCRR 227-2.6(a)(3): Compliance Certification
- 132 6NYCRR 227-2.6(c): Compliance Certification
- 133 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 134 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 135 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 136 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 137 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 138 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 139 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 140 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 141 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 142 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 143 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 144 40CFR 60.9, NSPS Subpart A: Availability of information.
- 145 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 146 40CFR 60.12, NSPS Subpart A: Circumvention.
- 147 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 148 40CFR 60.14, NSPS Subpart A: Modifications.
- 149 40CFR 60.42b(a), NSPS Subpart Db: Sulfur dioxide standard.
- 150 40CFR 60.42b(c), NSPS Subpart Db: Sulfur dioxide standard.
- 151 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 152 40CFR 60.42b(j)(2), NSPS Subpart Db: Compliance Certification



- 153 40CFR 60.43b(b), NSPS Subpart Db: Compliance Certification
- 154 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 155 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 156 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
- 157 40CFR 60.44b(a)(2), NSPS Subpart Db: Standard for oxides of nitrogen.
- 158 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 159 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 160 40CFR 60.44b(j), NSPS Subpart Db: Compliance Certification
- 161 40CFR 60.44b(k), NSPS Subpart Db: Compliance Certification
- 162 40CFR 60.45b(j), NSPS Subpart Db: Compliance Certification
- 163 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 164 40CFR 60.46b(e), NSPS Subpart Db: Compliance Certification
- 165 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.
- 166 40CFR 60.47b(f), NSPS Subpart Db: Compliance Certification
- 167 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification
- 168 40CFR 60.48b(b), NSPS Subpart Db: Compliance Certification
- 169 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NO_x during CEMS downtime
- 170 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 171 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 172 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 173 40CFR 60.49b(e), NSPS Subpart Db: Compliance Certification
- 174 40CFR 60.49b(f), NSPS Subpart Db: Compliance Certification
- 175 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 176 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 177 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 178 40CFR 60.49b(j), NSPS Subpart Db: Compliance Certification
- 179 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
- 180 40CFR 60.49b(r), NSPS Subpart Db: Compliance Certification

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

- 182 6NYCRR 227-2.4(b): Compliance Certification
- 183 6NYCRR 227-2.6(a)(3): Compliance Certification
- 184 6NYCRR 227-2.6(c): Compliance Certification
- 185 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 186 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 187 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 188 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 189 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 190 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 191 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 192 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 193 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 194 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 195 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 196 40CFR 60.9, NSPS Subpart A: Availability of information.



- 197 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 198 40CFR 60.12, NSPS Subpart A: Circumvention.
- 199 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 200 40CFR 60.14, NSPS Subpart A: Modifications.
- 201 40CFR 60.42b(a), NSPS Subpart Db: Sulfur dioxide standard.
- 202 40CFR 60.42b(c), NSPS Subpart Db: Sulfur dioxide standard.
- 203 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 204 40CFR 60.42b(j)(2), NSPS Subpart Db: Compliance Certification
- 205 40CFR 60.43b(b), NSPS Subpart Db: Compliance Certification
- 206 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 207 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 208 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
- 209 40CFR 60.44b(a)(2), NSPS Subpart Db: Standard for oxides of nitrogen.
- 210 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 211 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 212 40CFR 60.44b(j), NSPS Subpart Db: Compliance Certification
- 213 40CFR 60.44b(k), NSPS Subpart Db: Compliance Certification
- 214 40CFR 60.45b(j), NSPS Subpart Db: Compliance Certification
- 215 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 216 40CFR 60.46b(e), NSPS Subpart Db: Compliance Certification
- 217 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.
- 218 40CFR 60.47b(f), NSPS Subpart Db: Compliance Certification
- 219 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification
- 220 40CFR 60.48b(b), NSPS Subpart Db: Compliance Certification
- 221 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NO_x during CEMS downtime
- 222 40CFR 60.49b(a), NSPS Subpart Db: Compliance Certification
- 223 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 224 40CFR 60.49b(b), NSPS Subpart Db: Compliance Certification
- 225 40CFR 60.49b(e), NSPS Subpart Db: Compliance Certification
- 226 40CFR 60.49b(f), NSPS Subpart Db: Compliance Certification
- 227 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 228 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 229 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 230 40CFR 60.49b(j), NSPS Subpart Db: Compliance Certification
- 231 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
- 232 40CFR 60.49b(r), NSPS Subpart Db: Compliance Certification

EU=U-00002,EP=00002,Proc=ETO,ES=S0007

- 233 6NYCRR 212.2: Compliance Certification
- 234 6NYCRR 212.3(a): Emissions from Existing Sources
- 235 6NYCRR 212.3(a): EtO sterilization - Abator operation required during sterilization
- 236 6NYCRR 212.3(a): Compliance Certification
- 237 6NYCRR 212.6(a): Compliance Certification
- 238 6NYCRR 212.9(b): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS



Facility Level

239 ECL 19-0301: Contaminant List

1-6 6NYCRR 201-1.4: Unavoidable noncompliance and violations

1-7 6NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 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 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 - 6 NYCRR 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 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 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 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 10/28/2008 and 10/27/2013

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 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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 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 10/28/2008 and 10/27/2013

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.

(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.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 6: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2009.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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



Condition 8: Recordkeeping requirements
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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

Item 15.1:

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

Condition 16: General Condition - Right to Inspect
Effective between the dates of 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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

Item 18.1:

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

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

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 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 10/28/2008 and 10/27/2013

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 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-6

Item 23.1(From Mod 1):

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

Emission Unit: U-00001

Emission Unit Description:



Emission Unit U-00001 consists of four boilers, two boilers are 150 MM Btu/hr (each) Combustion Engineering/VP-12W (Emission Sources 00004 & 00005), and the other two boilers are 137.8 MM Btu/hr (each) Babcock & Wilcox/FM-2566 (Emission Sources 00008 & S0009). All four boilers operate on natural gas (Process 001) and #6 fuel oil (Process 002). The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

Building(s): HOSPITAL

Item 23.2(From Mod 0):

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 consists of one ethylene oxide sterilizer (Emission Source S0006) with built-in aerator and is also equipped with an abator - scrubber (Emission Control S0007). The ethylene oxide sterilizer is a CASTLE M/C 4271 (Emission Source S0006) equipped with an aerator and is also equipped with an abator (scrubber) and uses Oxyfume 2002 (Process EtO) for sterilizing surgical tools. The scrubber is Safe-Cell 2002 ETO Scrubber Unit (Emission control S0007).

Typically, the sterilizer is operated one cycle per day, five days per week and 52 weeks per year. The emission from the sterilizer is 0.0138 pounds per hour of ethylene oxide, which is so much below the 1.0 pound per hour, which vents through an aerator and will then vent through an abator (Emission Control S0007) and then final EtO gas is discharged to the atmosphere via an independent stack, Emission Point 00002. One ethylene oxide sterilizer utilizing Oxyfume 2002 (Process ETO), which is 10 % Ethylene Oxide, for sterilizing surgical tools.

Oxyfume 2002 is composed of 10 % by weight ethylene oxide, 67 % by weight of HCFC-124 (hydrochlorofluorocarbon) and 23 % by weight of HCFC-22 (chlorodifluoromethane).

Building(s): VC BLDG

Condition 24: Facility Permissible Emissions
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7



Item 24.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 007446-09-5 (From Mod 1) PTE: 1,604,664
pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 1,249,551
pounds per year
Name: OXIDES OF NITROGEN

Condition 1-1: Capping Monitoring Condition
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 1-1.1:

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 1-1.2:

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

Item 1-1.3:

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 1-1.4:

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 1-1.5:

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 1-1.6:

The Compliance Certification activity will be performed for the Facility.



Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-1.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The annual facility-wide #6 fuel oil is limited to 4.5 million gallons for any twelve consecutive months (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent). This is equivalent to limiting the Sulfur Dioxide emissions to 106 tons per year.

Since the emission rate of sulfur dioxide (SO₂) in #6 fuel oil is 157 x S lbs/1,000 gallons burned, therefore:

$$4,500,000 \text{ gallons/yr} \times 157 \text{ x S lbs/1,000 gallons burned} \\ \times 1 \text{ ton/2,000 lbs} = 106 \text{ tons/yr of SO}_2$$

Since the SO₂ emissions is a surrogate of the fuel consumption, the facility is to monitor the #6 fuel oil and natural gas consumption and keep records of the #6 fuel oil and the natural gas consumption on a daily basis and report it quarterly. Fuel consumption records will be maintained at the facility on a daily, monthly, and every twelve consecutive months basis to prove compliance. The annual emission statement documenting the fuel consumption will be submitted to NYSDEC every April 15 of each year.

The certification from the fuel supplier must include the name of the oil supplier, and a statement from the oil supplier that the oil complied with the specifications under the definition of residual oil in New York City. The certification from the fuel supplier must be submitted quarterly (calendar) for compliance with this condition to prove that the sulfur content of the #6 fuel oil is below the 0.30 % by weight limit.

Work Practice Type: PROCESS MATERIAL THRUPTUT

Process Material: FUEL

Upper Permit Limit: 4.5 million gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.



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

Condition 1-2: Capping Monitoring Condition
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 1-2.1:

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 1-2.2:

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

Item 1-2.3:

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 1-2.4:

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 1-2.5:

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 1-2.6:

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

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

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

Item 1-2.7:



Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below 6 NYCRR 231-2, New Source Review (NSR) thresholds for Oxides of Nitrogen, natural gas and #6 fuel oil consumption for the first new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source 00008) will be limited so that the NOx emissions will be limited to 56.8 tons for any twelve consecutive months rolled NOx emissions. The facility will use natural gas and #6 fuel oil in a combination such that the NOx emissions remain below 56.8 tpy.

The heating value of natural gas is 1,025 Btu/cu. ft., and that of # 6 fuel oil is 148,000 Btu/gal. The sulfur content limit in # 6 fuel oil is 0.30 % by weight. Published emission factors for NOx from AP-42 indicate that the emission rate of NOx in natural gas is 140 lbs/1,000,000 cubic feet, and that in #6 fuel oil is 0.075 lbs/gallon. But the facility will use the emission factors from the December, 2007 stack test results for the first new boiler (Emission Source 00008), which are as follow:

#6 Fuel Oil	
Natural Gas	
0.2155 lbs NOx/MM Btu	0.0466 lbs NOx/MM btu
32.325 lbs NOx/1,000 gal	46.6 lbs NOx/MM
cu.ft.	

The new fuel figures are based on the December, 2007 stack test results, which showed ultra lower NOx emission rates than AP-42 factors.

Since the NOx emissions is a surrogate of the fuel consumption, the facility is to monitor the natural gas and #6 fuel oil consumption and keep records of the natural gas and #6 fuel oil consumption on a daily basis and report it quarterly. Fuel consumption records will be maintained at the facility on a daily, monthly, and every twelve consecutive months basis to prove compliance. The annual emission statement documenting the fuel consumption will be submitted to NYSDEC every April 15 of each year.

The following formula will be used to calculate the facility's monthly NOx emissions, and to demonstrate compliance with this 56.8 tpy NOx cap on a rolling



12-month basis where the individual monthly NOx emissions will be determined from the following equation:

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

X = Monthly Emission Source 00008 boiler NOx emissions (tons);

A = the monthly consumption of #6 fuel oil (1,000 gallons);

B = 32.325 lbs NOx / 1,000 gallons of #6 fuel oil burned;

C = the monthly Emission Source 00008 boiler consumption of natural gas (million cu ft); and

D = 46.6 lbs NOx/MM cu ft of natural gas burned

A rolling 12-month tally will be maintained to ensure compliance with the 56.8 tpy NOx limit for the Emission Source 00008 boiler.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 56.8 tons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 1-3: Capping Monitoring Condition
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 1-3.1:

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 1-3.2:

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

Item 1-3.3:

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 1-3.4:

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 1-3.5:

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 1-3.6:

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

Emission Unit: U-00001	Emission Point: 00001
Process: 001	Emission Source: 00008

Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00008

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

Item 1-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below 40 CFR 52-A.21, Prevention of Significant Deterioration (PSD) thresholds for Sulfur Dioxide, #6 fuel oil consumption for the first new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source 00008) will be limited so that the SO₂ emissions will be limited to 44.3 tons for any twelve consecutive months rolled SO₂ emissions. The facility will use #6 fuel oil and natural gas in a combination such that the SO₂ emissions remain below 44.3 tpy.

The heating value of # 6 fuel oil is 148,000 Btu/gallon, and the heat value of natural gas is 1,025 Btu/cu ft. The sulfur content limit in #6 fuel oil is 0.30 % by weight. The emission rate of sulfur dioxide (SO₂) in #6 fuel oil is 47.1 lbs/1,000 gallons, and the emission rate of sulfur dioxide (SO₂) in natural gas is 0.6 lbs/MM cu.ft.



Pipeline natural gas contains 0.5 grains or less of total sulfur per 100 standard cubic feet, and one grain is about 17 ppm. Published emission factors for SO₂ from AP-42 indicate that the emission rate of SO₂ in natural gas is 0.6 lbs SO₂/MM cu. ft. of natural gas, and that in #6 fuel oil is 47.1 lbs SO₂/1000 gal of # 6 fuel oil.

Since the SO₂ emissions is a surrogate of the fuel consumption, the facility is to monitor the #6 fuel oil and natural gas consumption and keep records of the #6 fuel oil and the natural gas consumption on a daily basis and report it quarterly. Fuel consumption records will be maintained at the facility on a daily, monthly, and every twelve consecutive months basis to prove compliance. The annual emission statement documenting the fuel consumption will be submitted to NYSDEC every April 15 of each year.

The following formula will be used to calculate the facility's monthly SO₂ emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO₂ emissions will be determined from the following equation:

$$Y = [(A \times B)/2000] + [(C \times D)/2000]$$

Y = Monthly Emission Source 00008 boiler SO₂ emissions (tons);

A = the monthly consumption of #6 fuel oil (1,000 gallons);

B = 157 x S lbs SO₂ / 1,000 gallons of #6 fuel oil burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);

C = the monthly Emission Source 00008 boiler consumption of natural gas (million cubic feet); and

D = 0.6 lbs SO₂ / million cubic feet of natural gas burned (based on EPA's AP-42 emission factors).

A rolling 12-month tally will be maintained to ensure compliance with the 44.3 tpy SO₂ limit for the Emission Source 00008 boiler.

The facility will demonstrate compliance with the SO₂ emission standards and the 44.3 tpy SO₂ cap for the first new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source 00008) by the use of the fuel supplier certification for the sulfur content in the #6 fuel oil instead of the use of Continuous Emission Monitoring System (CEMS). The certification from the fuel supplier must include the name of the oil supplier, and a statement from the oil supplier that the oil complied with the specifications under the definition of residual oil in New York City. In addition, the certification from the fuel



supplier must be submitted with the quarterly, semi-annual and annual compliance report to provide the sulfur content of the #6 fuel oil because the SO₂ emissions are based on the sulfur content of the #6 fuel oil.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 44.3 tons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 1-4: Capping Monitoring Condition
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 1-4.1:

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 1-4.2:

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

Item 1-4.3:

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 1-4.4:

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 1-4.5:

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 1-4.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-4.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below 40 CFR 52-A.21, Prevention of Significant Deterioration (PSD) thresholds for Sulfur Dioxide, # 6 fuel oil consumption for the second new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source S0009) will be limited so that the SO₂ emissions will be limited to 56.6 tons for any twelve consecutive months rolled SO₂ emissions. The facility will use #6 fuel oil and natural gas in a combination such that the SO₂ emissions remain below 56.6 tpy.

The heat value of # 6 fuel oil is 148,000 Btu/gallon, and the heat value of natural gas is 1,025 Btu/cu ft. The sulfur content limit in # 6 fuel oil is 0.30 % by weight. The emission rate of sulfur dioxide (SO₂) in # 6 fuel oil is 47.1 lbs/1,000 gallons, and the emission rate of sulfur dioxide (SO₂) in natural gas is 0.6 lbs/MM cu.ft.

Pipeline natural gas contains 0.5 grains or less of total sulfur per 100 standard cubic feet, and one grain is about 17 ppm. Published emission factors for SO₂ from AP-42 indicate that the emission rate of SO₂ in natural gas is 0.6 lbs SO₂/MM cu. ft. of natural gas, and that in #6 fuel oil is 47.1 lbs SO₂/1000 gal of # 6 fuel oil.

Since the SO₂ emissions is a surrogate of the fuel consumption, the facility is to monitor the #6 fuel oil and natural gas consumption and keep records of the #6 fuel oil and the natural gas consumption on a daily basis and report it quarterly. Fuel consumption records will be maintained at the facility on a daily, monthly, and every twelve consecutive months basis to prove compliance. The



annual emission statement documenting the fuel consumption will be submitted to NYSDEC every April 15 of each year.

The following formula will be used to calculate the facility's monthly SO₂ emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO₂ emissions will be determined from the following equation:

$$Y = [(A \times B)/2000] + [(C \times D)/2000]$$

Y = Monthly Emission Source S0009 boiler SO₂ emissions (tons);

A = the monthly consumption of #6 fuel oil (1,000 gallons);

B = 157 x S lbs SO₂ / 1,000 gallons of #6 fuel oil burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);

C = the monthly Emission Source S0009 boiler consumption of natural gas (million cubic feet); and

D = 0.6 lbs SO₂ / million cubic feet of natural gas burned (based on EPA's AP-42 emission factors).

A rolling 12-month tally will be maintained to ensure compliance with the 56.6 tpy SO₂ limit for the Emission Source S0009 boiler.

The facility will demonstrate compliance with the SO₂ emission standards and the 56.6 tpy SO₂ cap for the second new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source S0009) by the use of the fuel supplier certification for the sulfur content in the #6 fuel oil instead of the use of Continuous Emission Monitoring System (CEMS). The certification from the fuel supplier must include the name of the oil supplier, and a statement from the oil supplier that the oil complied with the specifications under the definition of residual oil in New York City. In addition, the certification from the fuel supplier must be submitted with the quarterly, semi-annual and annual compliance report to provide the sulfur content of the #6 fuel oil because the SO₂ emissions are based on the sulfur content of the #6 fuel oil.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 56.6 tons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 1-5: Capping Monitoring Condition
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 1-5.1:

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 1-5.2:

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

Item 1-5.3:

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 1-5.4:

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 1-5.5:

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 1-5.6:

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

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

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



Item 1-5.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below 6 NYCRR 231-2, New Source Review (NSR) thresholds for Oxides of Nitrogen, natural gas and #6 fuel oil consumption for the second new 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 boiler (Emission Source S0009) will be limited so that the NOx emissions will be limited to 69.0 tons for any twelve consecutive months rolled NOx emissions. The facility will use natural gas and # 6 fuel oil in a combination such that the NOx remains below 69.0 tpy.

The heating value of natural gas is 1,025 Btu/cu. ft., and that of # 6 fuel oil is 148,000 Btu/gal. The sulfur content limit in # 6 fuel oil is 0.30 % by weight. Published emission factors for NOx from AP-42 indicate that the emission rate of NOx in natural gas is 140 lbs/1,000,000 cubic feet, and that in #6 fuel oil is 0.075 lbs/gallon. But the facility will use the emission factors from the December, 2007 stack test results for the second new boiler (Emission Source S0009), which are as follow:

#6 Fuel Oil	
Natural Gas	
0.2582 lbs NOx/MM Btu	0.0302 lbs NOx/MM btu
38.730 lbs NOx/1,000 gal	30.2 lbs NOx/MM
cu.ft.	

The new fuel figures are based on the December, 2007 stack test results, which showed ultra lower NOx emission rates than AP-42 factors.

Since the NOx emissions is a surrogate of the fuel consumption, the facility is to monitor the natural gas and #6 fuel oil consumption and keep records of the natural gas and #6 fuel oil consumption on a daily basis and report it quarterly. Fuel consumption records will be maintained at the facility on a daily, monthly, and every twelve consecutive months basis to prove compliance. The annual emission statement documenting the fuel consumption will be submitted to NYSDEC every April 15 of each year.

The following formula will be used to calculate the facility's monthly NOx emissions, and to demonstrate



compliance with this 69.0 NO_x cap on a rolling 12-month basis where the individual monthly NO_x emissions will be determined from the following equation:

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

X = Monthly Emission Source S0009 boiler NO_x emissions (tons);

A = the monthly consumption of #6 fuel oil (1,000 gallons);

B = 38.73 lbs NO_x / 1,000 gallons of #6 fuel oil burned;

C = the monthly Emission Source S0009 boiler consumption of natural gas (million cu ft); and

D = 30.2 lbs NO_x/MM cu ft of natural gas burned

A rolling 12-month tally will be maintained to ensure compliance with the 69.0 tpy NO_x limit for the Emission Source S0009 boiler.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 69.0 tons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 25: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 225-1.2(a)(2)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL



Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 225-1.2(a)(2)

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 use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 225-1.8

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:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:

- a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and distillate oil and coal sold;
- c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 28: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



Monitoring Description:

No person shall sell, offer for sale, purchase or use any residual oil which has sulfur content greater than 0.30 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 29: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible



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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 30: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.5(a)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel Switching Option: The owner/operator of a combustion installation covered under this subpart may commit to burning a cleaner fuel, such as natural gas, during the ozone season from May 1 to September 15. Fuel switching may result in quantifiable annual NO_x emissions equal to or less than the NO_x emissions expected if the combustion installations complied with the emission limits in section 227-2.4 of this subpart.

Monitoring Frequency: DAILY



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Reconstruction
Effective between the dates of 10/28/2008 and 10/27/2013



Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 32.1:

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

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

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

**Condition 33: Emission Point Definition By Emission Unit
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:6NYCRR 201-6

Item 33.1(From Mod 1):

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 464

Diameter (in.): 148

NYTMN (km.): 4521.5

NYTME (km.): 589.4

Building: HOSPITAL

Item 33.2(From Mod 0):

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 274

Diameter (in.): 24



NYTMN (km.): 4521.7 NYTME (km.): 589.4 Building: VC BLDG

Condition 34: Process Definition By Emission Unit
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-6

Item 34.1(From Mod 1):

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

Emission Unit: U-00001

Process: 001

Source Classification Code: 1-02-006-01

Process Description:

Process 001 is the firing of natural gas in Boilers 004, 005, 008 & 009 (Emission Sources 00004, 00005, 00008 & S0009) in Emission Unit U-00001. The four boilers burn natural gas (Process 001) and # 6 fuel oil (Process 002) to generate steam for heating the hospital buildings. The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

To remain below New Source Review (NSR - 6NYCRR 231-2) thresholds, the natural gas consumption will be limited so that the NOx emissions associated with the first new Babcock & Wilcox boiler (Emission Source 00008) will be limited to 56.8 tpy. And the NOx emissions associated with the second new Babcock & Wilcox boiler (Emission Source S0009) will be limited to 69.0 tpy. This would limit the emission of oxides of nitrogen to below the 56.8 tons per year for any twelve consecutive months for Emission Source 00008, and to below 69.0 tons per year for any twelve consecutive months for Emission Source S0009.

The NOx RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour) operating on gas/oil is 0.30 lb/MM Btus.

Emission Source/Control: 00004 - Combustion

Design Capacity: 150 million Btu per hour

Emission Source/Control: 00005 - Combustion

Design Capacity: 150 million Btu per hour

Emission Source/Control: 00008 - Combustion

Design Capacity: 137.8 million Btu per hour

Emission Source/Control: S0009 - Combustion

Design Capacity: 137.8 million British thermal units

Item 34.2(From Mod 1):



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

Emission Unit: U-00001

Process: 002

Source Classification Code: 1-02-004-01

Process Description:

Process 002 is the firing of # 6 fuel oil in Boilers 004, 005, 008 & 009 (Emission Sources 00004, 00005, 00008 & S0009) in Emission Unit U-00001. The four boilers burn natural gas (Process 001) and # 6 fuel oil (Process 002) to generate steam for heating the hospital buildings. The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

To remain below Prevention of Significant Deterioration (PSD - 40 CFR 52-A.21) thresholds, the #6 fuel oil consumption will be limited so that the SO₂ emissions associated with the first new Babcock & Wilcox boiler (Emission Source 00008) will be limited to 44.3 tpy. And the SO₂ emissions associated with the second new Babcock & Wilcox boiler (Emission Source S0009) will be limited to 56.6 tpy. This would limit the emission of sulfur dioxide to below the 44.3 tons per year for any twelve consecutive months for Emission Source 00008, and to below the 56.6 tons per year for any twelve consecutive months for Emission Source S0009.

The NO_x RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour) operating on gas/oil is 0.30 lb/MM Btus.

Emission Source/Control: 00004 - Combustion
Design Capacity: 150 million Btu per hour

Emission Source/Control: 00005 - Combustion
Design Capacity: 150 million Btu per hour

Emission Source/Control: 00008 - Combustion
Design Capacity: 137.8 million Btu per hour

Emission Source/Control: S0009 - Combustion
Design Capacity: 137.8 million British thermal units

Item 34.3(From Mod 0):

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

Emission Unit: U-00002

Process: ETO

Source Classification Code: 3-99-999-94

Process Description:

Process ETO is the utilization of Oxyfume 2002 in the ethylene oxide sterilizer in Emission Unit U-00002 for sterilizing surgical tools. Oxyfume 2002 is composed of 10



% by weight ethylene oxide, 67 % by weight of HCFC-124 (hydrochlorofluorocarbon) and 23 % by weight of HCFC-22 (chlorodifluoromethane). The sterilizer has a built-in aerator and is also equipped with an abator - scrubber (Emission Control S0007). The ethylene oxide sterilizer is a CASTLE M/C 4271 (Emission Source S0006) and uses Oxyfume 2002 (10% Ethylene Oxide). The scrubber is Safe-Cell 2002 ETO Scrubber Unit (Emission control S0007).

Typically, the sterilizer is operated one cycle per day, five days per week and 52 weeks per year. The emission from the sterilizer is 0.0138 pounds per hour of ethylene oxide, which is so much below the 1.0 pound per hour, which vents through an aerator and will then vent through an abator - scrubber unit and then final EtO gas is discharged to the atmosphere via an independent stack, Emission Point 00002.

$$\text{ERP} = 717.6 \text{ lbs/yr} \times 1 \text{ yr}/8,760 \text{ hrs} = 0.0819 \text{ lbs/hr}$$

$$\text{PTE} = 0.0138 \text{ lbs/hr} \times 8,760 \text{ hrs/yr} = 120.9 \text{ lbs/yr}$$

$$\text{Actual} = 0.0138 \text{ lbs/hr} \times 12 \text{ hrs/day} \times 260 \text{ days/yr} = 43 \text{ lbs/yr}$$

Emission Source/Control: S0007 - Control
Control Type: WET SCRUBBER

Emission Source/Control: S0006 - Process
Design Capacity: 39.2 cubic feet

Condition 35: Emission Unit Permissible Emissions
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 35.1:

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: 007446095 (From Mod 1)

Name: SULFUR DIOXIDE

PTE(s): 1,604,664 pounds per year

183.18 pounds per hour

CAS No: 0NY210000 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 1,249,551 pounds per year



142.64 pounds per hour

Condition 36: Process Permissible Emissions
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 36.1:

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	(From Mod 1)	
Name:	SULFUR DIOXIDE		
PTE(s):	0.34 pounds per hour		
			2,952 pounds per year
CAS No:	0NY210-00-0	(From Mod 1)	
Name:	OXIDES OF NITROGEN		
PTE(s):	38.64 pounds per hour		
			338,504 pounds per year
Emission Unit:	U-00001	Process:	002
CAS No:	007446-09-5	(From Mod 1)	
Name:	SULFUR DIOXIDE		
PTE(s):	183.18 pounds per hour		
			1,604,664 pounds per year
CAS No:	0NY210-00-0	(From Mod 1)	
Name:	OXIDES OF NITROGEN		
PTE(s):	142.64 pounds per hour		
			162,078 pounds per year

Condition 37: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 227-2.1(a)(5)

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

New York Presbyterian Hospital has to comply with the NOx RACT equipment and operating procedures. Records documenting continued compliance will be maintained.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 38: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 227-2.6(b)

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Regulated Contaminant(s):

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York Presbyterian Hospital is required to maintain and operate CEM system for NOx emission only for the two new 137.8 MM Btu/hr each Babcock & Wilcox/FM-2566 boilers (Emission Sources 00008 & S0009). The CEM system is required to meet the requirements of 40 CFR 60 Appendices B and F.

The two old 150 MM Btu/hr each Combustion Engineering/VP-12 boilers (Emission Sources 00004 & 00005) are not subject to CEMS NOx emission requirements.

Reference Test Method: Appendices B & F

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 39: Performance testing facilities.
Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 39.1:

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

Item 39.2:

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 40: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 40.1:

The Compliance Certification activity will be performed for:

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

Item 40.2:

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 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 4/30/2009.

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

Condition 41: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00004

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart unless the owner/operator opts to utilize Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NATURAL GAS

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W



Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
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 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(3)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00004

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 43: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00004

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM BTU/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x RACT for large boilers (between 100 and 250 MM BTU/hr) operating on gas have a limit of 0.30 pounds per million Btus and those operating on gas/oil have a limit of 0.30 pounds per million Btus.

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_x 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.



Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00005

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

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart unless the owner/operator opts to utilize Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NATURAL GAS
Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19



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 4/30/2009.

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

Condition 45: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(3)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00005

Regulated Contaminant(s):

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00005

Regulated Contaminant(s):

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM BTU/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x RACT for large boilers (between 100 and 250 MM BTU/hr) operating on gas have a limit of 0.20 pounds per million Btus and those operating on gas/oil have a limit of 0.30 pounds per million Btus.

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_x 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.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN



Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

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

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart. This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NATURAL GAS
Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, or 7E, or 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 49: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(3)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00008

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x 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 Btus.

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_x 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.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 51: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 51.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 51.2:

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

Condition 52: EPA Region 2 address. Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 52.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 52.2:

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:

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

**Condition 53: Date of construction notification - If a COM is not used.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 53.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 53.2:

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

**Condition 54: Recordkeeping requirements.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 54.1:



This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 54.2:

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 55: Excess Emissions Report
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 55.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 55.2:

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 56: Facility files for subject sources.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 56.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 56.2:

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 57: Performance testing timeline.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 57.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 57.2:

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 58: Performance Test Methods - Waiver EU Level
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 58.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 58.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 59: Required performance test information.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 59.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 59.2:

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

Condition 60: Prior notice.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 60.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 60.2:

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



Condition 61: Number of required tests.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 61.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 61.2:

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 62: Availability of information.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 62.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 62.2:

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 63: Opacity standard compliance testing.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 63.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 63.2:

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 64: Circumvention.



Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 64.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 64.2:

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 65: Monitoring requirements.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 65.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 65.2:

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

Condition 66: Modifications.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 66.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 66.2:

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 67: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



Process: 001

Emission Source: 00008

Regulated Contaminant(s):

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of nitrogen standard for industrial/commercial/institutional steam generating units.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

**Condition 68: Applicability of oxides of nitrogen standard.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 68.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 68.2:

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

**Condition 69: Averaging period.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 69.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 69.2:

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 70: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the emission limits under this section is determined on a 24-hour average basis for the initial performance test and on a 3-hour average basis for subsequent performance tests for any affected facilities that:

- (1) Combust alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;
- (2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and
- (3) Are subject to a Federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil and nitrogen content of 0.30 weight percent or less.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 71: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013



Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To determine compliance with the emission limits for nitrogen oxides required under 40 CFR 60-Db.44b, the owner or operator of an affected facility shall conduct the performance test as required under 40 CFR 60.8 using the continuous system for monitoring nitrogen oxides under 40 CFR 60.48(b).

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 74: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

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

Item 74.2:

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 section 40 CFR 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 (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the CEM system.

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 76: Use of alternative methods for measuring NOx during CEMS downtime
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 76.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 76.2:

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 77: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 77.2:

Compliance Certification shall include the following monitoring:

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 78: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00008

Item 78.2:

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. The owner or operator of each affected facility described in 40 CFR 60-Db.44b(j) or 40 CFR 60-44b(k) shall submit to the Administrator the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 79: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

Item 79.2:

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 80: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: 00008

Regulated Contaminant(s):

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 NO₂) (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 preceding 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)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 81: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00008

Item 81.2:

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 4/30/2009.

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

Condition 82: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: 00008

Regulated Contaminant(s):

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

Item 82.2:

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 4/30/2009.

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

Condition 83: Records Retention
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 83.1:



This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 001 Emission Source: 00008

Item 83.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 85: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 85.1:

The Compliance Certification activity will be performed for:

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

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

Item 85.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart. This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NUMBER 6 OIL
Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(3)

Item 86.1:

The Compliance Certification activity will be performed for:

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

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

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

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 1/30/2009.

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

Condition 87: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: S0009

Regulated Contaminant(s):

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

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btus and those operating on gas/oil have a limit of 0.30 pounds per million Btus.

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_x 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.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NOx by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

Manufacturer Name/Model Number: CEMS NOX for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 88: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 88.1:

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

Item 88.2:

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

Condition 89: EPA Region 2 address. Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 89.1:

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

Item 89.2:

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:

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

**Condition 90: Date of construction notification - If a COM is not used.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 90.1:

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

Item 90.2:

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

**Condition 91: Recordkeeping requirements.
Effective between the dates of 10/28/2008 and 10/27/2013**

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



Item 91.1:

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

Item 91.2:

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 92: Excess Emissions Report
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 92.1:

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

Item 92.2:

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 93: Facility files for subject sources.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 93.1:

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

Item 93.2:

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 94: Performance testing timeline.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 94.1:

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



Item 94.2:

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 95: Performance Test Methods - Waiver EU Level
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 95.1:

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

Item 95.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

**Condition 96: Required performance test information.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 96.1:

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

Item 96.2:

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 97: Prior notice.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 97.1:

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

Item 97.2:

The owner or operator shall provide the Administrator with prior notice of any



performance test at least 30 days in advance of testing.

Condition 98: Number of required tests.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 98.1:

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

Item 98.2:

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 99: Availability of information.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 99.1:

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

Item 99.2:

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 100: Opacity standard compliance testing.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 100.1:

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

Item 100.2:

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 101: Circumvention.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 101.1:

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

Item 101.2:

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 102: Monitoring requirements.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 102.1:

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

Item 102.2:

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

Condition 103: Modifications.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 103.1:

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

Item 103.2:

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 104: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 104.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

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

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of nitrogen standard for
industrial/commercial/institutional stream generating
units.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

**Condition 105: Applicability of oxides of nitrogen standard.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 105.1:

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

Item 105.2:

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

**Condition 106: Averaging period.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 106.1:

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

Item 106.2:

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 107: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 107.1:

The Compliance Certification activity will be performed for:

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

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

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the emission limits under this section is determined on a 24-hour average basis for the initial performance test and on a 3-hour average basis for subsequent performance tests for any affected facilities that:

- (1) Combust alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;
- (2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and
- (3) Are subject to a Federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil and nitrogen content of 0.30 weight percent or less.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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



Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

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

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To determine compliance with the emission limits for nitrogen oxides required under 40 CFR 60-Db.44b, the owner or operator of an affected facility shall conduct the performance test as required under 40 CFR 60.8 using the continuous system for monitoring nitrogen oxides under 40 CFR 60.48(b).

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 111: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

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

Item 111.2:

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 section 40 CFR 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 (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 112: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: S0009

Regulated Contaminant(s):

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

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the CEM system.

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 113: Use of alternative methods for measuring NOx during CEMS



downtime

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 113.1:

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

Item 113.2:

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 114: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 114.1:

The Compliance Certification activity will be performed for:

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

Item 114.2:

Compliance Certification shall include the following monitoring:

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 115: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Item 115.2:

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. The owner or operator of each affected facility described in 40 CFR 60-Db.44b(j) or 40 CFR 60-44b(k) shall submit to the Administrator the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 116: Compliance Certification



Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Item 116.2:

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 117: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Regulated Contaminant(s):

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

Item 117.2:

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 NO₂) (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 preceding 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)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 118: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 001

Emission Point: 00001
Emission Source: S0009

Item 118.2:

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 4/30/2009.

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

Condition 119: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 001

Emission Source: S0009

Regulated Contaminant(s):

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

Item 119.2:

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 4/30/2009.

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

Condition 120: Records Retention
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 120.1:

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

Item 120.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 121: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 121.1:

The Compliance Certification activity will be performed for:

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

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

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the 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) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.



Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 122: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001

Item 122.2:

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 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 4/30/2009.

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

Condition 123: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00004

Regulated Contaminant(s):

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

Item 123.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart unless the owner/operator opts to utilize Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

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 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 227-2.6(a)(3)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00004

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 125: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 125.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00004

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

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NOx emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM BTU/hr) shall measure NOx emissions by performing stack tests described in subdivision (c) of this section.

The NOX RACT for large boilers (between 100 and 250 MM BTU/hr) operating on gas have a limit of 0.20 pounds per million Btus and those operating on gas/oil have a limit of 0.30 pounds per million BTU per hour.

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 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.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 126: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00005

Regulated Contaminant(s):

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

Item 126.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NOx RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart unless the owner/operator opts to utilize Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NOx RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

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 4/30/2009.

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



Condition 127: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 227-2.6(a)(3)

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00005

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

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 128: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00005



Regulated Contaminant(s):

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

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM BTU/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x 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 Btus.

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_x 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.

Manufacturer Name/Model Number: COMBUSTION ENG./VP-12W

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 130: Compliance Certification



Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

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

Item 130.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart. This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.

Process Material: NUMBER 6 OIL
Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 131: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013



Applicable Federal Requirement:6NYCRR 227-2.6(a)(3)

Item 131.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

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

Item 131.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The following unit shall perform testing to verify NOx emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NOx emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NOx by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

The NOX RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.

Manufacturer Name/Model Number: CEMS NOx for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

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 1/30/2009.

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

Condition 132: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

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

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO_x emissions by performing stack tests described in subdivision (c) of this section.

The NO_x 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 Btus.

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_x 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.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source 00008) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.



Manufacturer Name/Model Number: CEMS NOx for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 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: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 133: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 133.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 133.2:

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

**Condition 134: EPA Region 2 address.
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 134.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 134.2:

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:

NYSDEC
Bureau of Quality Assurance



625 Broadway
Albany, NY 12233-3258

**Condition 135: Date of construction notification - If a COM is not used.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 135.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 135.2:

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

**Condition 136: Recordkeeping requirements.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 136.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 136.2:

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 137: Excess Emissions Report
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 137.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 137.2:

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 138: Facility files for subject sources.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 138.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 138.2:

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 139: Performance testing timeline.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 139.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 139.2:

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 140: Performance Test Methods - Waiver EU Level
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 140.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 140.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 141: Required performance test information.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 141.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 141.2:

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 142: Prior notice.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 142.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 142.2:

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

Condition 143: Number of required tests.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 143.1:

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



Process: 002

Emission Source: 00008

Item 143.2:

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 144: Availability of information.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 144.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 144.2:

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 145: Opacity standard compliance testing.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 145.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 145.2:

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 146: Circumvention.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 146.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008



Item 146.2:

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 147: Monitoring requirements.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 147.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 147.2:

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

Condition 148: Modifications.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 148.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 148.2:

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 149: Sulfur dioxide standard.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 149.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 149.2:

$$Es = (KaHa + KbHb)/(Ha + Hb)$$

Where: Es = sulfur dioxide
emission standard,



$$K_a = 1.2 \text{ lb/mmBtu,}$$

$$K_b = 0.8 \text{ lb/mmBtu,}$$

H_a = heat input coal
mmBtu,

H_b = heat input oil mmBtu
and 90% reduction in PTE.

Condition 150: Sulfur dioxide standard.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 150.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 150.2:

Affected facilities shall achieve a
50% reduction in sulfur dioxide emissions,
and meet the following standard;

$$E_s = (K_c H_c + K_d H_d) / (H_c + H_d):$$

Where: E_s = Sulfur dioxide
standard,

$$K_c = 0.6 \text{ lb/mmBtu,}$$

$$K_d = 0.4 \text{ lb/mmBtu,}$$

H_c = heat input from coal,

H_d = heat input from oil.

Condition 151: Demonstration criteria for low sulfur oil.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 151.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 151.2:

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 SO₂ emission rate or fuel oil sulfur content; or

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

Condition 152: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 40CFR 60.42b(j)(2), NSPS Subpart Db

Item 152.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 152.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Residual oil sulfur content limited in accordance with 40 CFR 60 Db 49b(r). But, 40 CFR 60.42b(j)(2), NSPS Subpart Db which limits the sulfur content in the residual oil to 0.5 percent by weight is not applicable to this facility. This regulation is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight for facilities in a severe ozone non-attainment area such as New York City.

New York Presbyterian Hospital must comply with the 0.30 percent by weight sulfur content limit as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60.42b(j)(2), NSPS Subpart Db or 40 CFR 60 Db 49b(r), NSPS Subpart Db. The facility is required to maintain a file of fuel receipts in accordance with 40 CFR 60.49b(r).

Work Practice Type: PARAMETER OF PROCESS MATERIAL



Process Material: NUMBER 6 OIL
Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 153: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 153.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 153.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On and after the date on which the performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil (or mixtures of oil with other fuels) and uses a conventional or emerging technology to reduce sulfur dioxide emissions shall cause to be discharged into the atmosphere from that affected facility any gases that contain particulate matter in excess of 0.10 lb/million BTU heat input

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 154: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 154.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

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

Item 154.2:

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.

Parameter Monitored: OPACITY

Upper Permit Limit: 27 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 4/30/2009.

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

**Condition 155: Particulate matter and opacity exemption.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 155.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 155.2:

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

**Condition 156: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 156.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008



Regulated Contaminant(s):

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

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of nitrogen standard for industrial/commercial/institutional stream generating units.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 157: Standard for oxides of nitrogen.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.44b(a)(2), NSPS Subpart Db

Item 157.1:

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

Process: 002

Emission Source: 00008

Item 157.2:

Oxides of nitrogen emissions while firing residual oil in low heat release rate units shall not exceed 0.30 lb/mmBtu.

Condition 158: Applicability of oxides of nitrogen standard.

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 158.1:

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

Process: 002

Emission Source: 00008

Item 158.2:

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

Condition 159: Averaging period.

Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 159.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 159.2:

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 160: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 160.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the emission limits under this section is determined on a 24-hour average basis for the initial performance test and on a 3-hour average basis for subsequent performance tests for any affected facilities that:

- (1) Combust alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;
- (2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and
- (3) Are subject to a Federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural



gas, distillate oil, and residual oil and nitrogen content
of 0.30 weight percent or less.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 161: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 161.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008

Regulated Contaminant(s):

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

Item 161.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected facilities that meet the criteria described in paragraphs (j)(1), (2), and (3) of this section and that have a heat input capacity of 250 MM Btu/hr or less, are not subject to the nitrogen oxides emission limits under this section.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 162: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.45b(j), NSPS Subpart Db

Item 162.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001



Process: 002

Emission Source: 00008

Item 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 163: Compliance and performance methods for oxides of nitrogen and particulate matter.

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 163.1:

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

Process: 002

Emission Source: 00008

Item 163.2:

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 164: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 164.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008

Regulated Contaminant(s):

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

Item 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



To determine compliance with the emission limits for nitrogen oxides required under 40 CFR 60-Db.44b, the owner or operator of an affected facility shall conduct the performance test as required under 40 CFR 60.8 using the continuous system for monitoring nitrogen oxides under 40 CFR 60.48(b).

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

**Condition 165: Alternative sulfur dioxide monitoring method.
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.47b(f), NSPS Subpart Db

Item 165.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 165.2:

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 166: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.47b(f), NSPS Subpart Db

Item 166.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 166.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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).

Very low sulfur oil means an oil that contains no more than 0.5 weight percent sulfur or that, when combusted without sulfur dioxide emission control, has a sulfur dioxide emission rate equal to or less than 215 ng/J (0.5 lb/million Btu) heat input.

Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60-Db.47b.

40 CFR 60-Db.47b(f), NSPS which limits the sulfur content in the residual oil to 0.5 percent by weight is not applicable to this facility. This regulation is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight for facilities in a severe ozone non-attainment area such as New York City.

New York Presbyterian Hospital must comply with the 0.30 percent by weight sulfur content limit as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Db.47b(f), NSPS. Records of fuel receipts in accordance with 40 CFR 60.49b(r), indicating fuel sulfur content, are to be maintained on file to determine compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 167: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 167.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 167.2:

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 section 40
CFR 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.

Manufacturer Name/Model Number: COMS
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 168: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 168.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 168.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of facilities subject to section 40
CFR 60-Db.44b shall install, calibrate, maintain, operate



a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the CEM system.

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 169: Use of alternative methods for measuring NOx during CEMS downtime

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 169.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 169.2:

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 170: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 170.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 170.2:

Compliance Certification shall include the following monitoring:

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 171: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 171.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: 00008

Item 171.2:

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. The owner or operator of each affected facility described in 40 CFR 60-Db.44b(j) or 40 CFR 60-44b(k) shall submit to the Administrator the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 172: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 172.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008

Item 172.2:

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 173: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 173.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008



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

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ASTM Method D-5762 or D3431-80 or per fuel suppliers will be used to determine fuel bound nitrogen content of the residual oil combusted in the new 137.8 MM Btu/hr boiler (Emission Source S0008), and calculate the average fuel nitrogen content on a per calendar quarter basis.

For an affected facility that combusts residual oil and meets the criteria under 40 CFR 60-Db.46b(e), 40 CFR 60-Db.44b(j), or (k), the owner or operator shall maintain records of the nitrogen content of the residual oil combusted in the affected facility and calculate the average fuel nitrogen content on a per calendar quarter basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Reference Test Method: ASTM Method D-3228 or D3431-80

Monitoring Frequency: PER DELIVERY

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 1/30/2009.

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

Condition 174: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 174.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 174.2:



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 4/30/2009.

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

Condition 175: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 175.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008

Regulated Contaminant(s):

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

Item 175.2:

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 NO₂) (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)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 176: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 176.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: 00008

Item 176.2:

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 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 177: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 177.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 177.2:

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 4/30/2009.

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

Condition 178: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 178.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 178.2:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 179: Records Retention

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 179.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

Item 179.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 180: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 180.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00008

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

Item 180.2:

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 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 182: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 182.1:

The Compliance Certification activity will be performed for:

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

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

Item 182.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Effective May 31, 1995, any owner or operator of a large boiler must comply with the listed NO_x RACT emission limit. Compliance with these emission limits shall be determined with a one hour average in accordance with the provisions of section 227-2.6(a)(3) of this Subpart unless the owner/operator opts to utilize Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

A large boiler is defined as: a device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

The NO_x RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btus.



Process Material: NUMBER 6 OIL
Manufacturer Name/Model Number: CEMS NOx for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 183: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(3)

Item 183.1:

The Compliance Certification activity will be performed for:

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

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

Item 183.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The following unit shall perform testing to verify NOx emissions to demonstrate compliance with this part.

The owner/operator of large boilers shall measure NOx emissions by performing stack tests described in subdivision (c) of this section. A large boiler is defined as: A device with maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NOx by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

The NOX RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million Btus.



Manufacturer Name/Model Number: CEMS NOx for BABCOCK & WILCOX/FM-2566
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: CONTINUOUS
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 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 184: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 184.1:

The Compliance Certification activity will be performed for:

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

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

Item 184.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NOx emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NOx emissions by performing stack tests described in subdivision (c) of this section.

The NOX RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btus and those operating on gas/oil have a limit of 0.30 pounds per million Btus.

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_x 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.

This 137.8 MM Btu/hr Babcock & Wilcox/FM-2566 (Emission Source S0009) is subject to CEMS NO_x by utilizing Continuous Emission Monitoring Systems (CEMS) under the provisions of section 227-2.6(a)(2) of this Subpart.

Manufacturer Name/Model Number: CEMS NO_x for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 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: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 185: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 185.1:

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

Item 185.2:

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

**Condition 186: EPA Region 2 address.
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 186.1:

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

Item 186.2:

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:

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

**Condition 187: Date of construction notification - If a COM is not used.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 187.1:

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

Item 187.2:

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



6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 188: Recordkeeping requirements.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 188.1:

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

Item 188.2:

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 189: Excess Emissions Report
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 189.1:

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

Item 189.2:

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 190: Facility files for subject sources.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 190.1:

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

Item 190.2:

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 191: Performance testing timeline.
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 191.1:

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

Item 191.2:

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 192: Performance Test Methods - Waiver EU Level
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 192.1:

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

Item 192.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 193: Required performance test information.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 193.1:

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

Item 193.2:

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 194: Prior notice.
Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 194.1:

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

Item 194.2:

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

Condition 195: Number of required tests.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 195.1:

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

Item 195.2:

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 196: Availability of information.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 196.1:

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

Item 196.2:

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 197: Opacity standard compliance testing.
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 197.1:

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

Item 197.2:

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 198: Circumvention.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 198.1:

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

Item 198.2:

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 199: Monitoring requirements.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 199.1:

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

Item 199.2:

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

Condition 200: Modifications.

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 200.1:

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

Item 200.2:

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 201: Sulfur dioxide standard.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 201.1:

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

Item 201.2:

$$Es = (KaHa + KbHb)/(Ha + Hb)$$

Where: Es = sulfur dioxide
emission standard,

$$Ka = 1.2 \text{ lb/mmBtu,}$$

$$Kb = 0.8 \text{ lb/mmBtu,}$$

Ha = heat input coal
mmBtu,

Hb = heat input oil mmBtu
and 90% reduction in PTE.

Condition 202: Sulfur dioxide standard.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 202.1:

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

Item 202.2:

Affected facilities shall achieve a
50% reduction in sulfur dioxide emissions,
and meet the following standard;

$$Es = (KcHc + KdHd)/(Hc + Hd):$$

Where: Es = Sulfur dioxide
standard,

$$Kc = 0.6 \text{ lb/mmBtu,}$$

$$Kd = 0.4 \text{ lb/mmBtu,}$$

Hc = heat input from coal,



Hd = heat input from oil.

**Condition 203: Demonstration criteria for low sulfur oil.
Effective between the dates of 10/28/2008 and 10/27/2013**

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

Item 203.1:

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

Item 203.2:

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 SO₂ emission rate or fuel oil sulfur content; or

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

**Condition 204: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.42b(j)(2), NSPS Subpart Db

Item 204.1:

The Compliance Certification activity will be performed for:

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

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

Item 204.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Residual oil sulfur content limited in accordance with 40 CFR 60 Db 49b(r). But, 40 CFR 60.42b(j)(2), NSPS Subpart Db which limits the sulfur content in the residual oil to 0.5 percent by weight is not applicable to this facility.



This regulation is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight for facilities in a severe ozone non-attainment area such as New York City.

New York Presbyterian Hospital must comply with the 0.30 percent by weight sulfur content limit as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60.42b(j)(2), NSPS Subpart Db or 40 CFR 60 Db 49b(r), NSPS Subpart Db. The facility is required to maintain a file of fuel receipts in accordance with 40 CFR 60.49b(r).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 205: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 205.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 205.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On and after the date on which the performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil (or mixtures of oil with other fuels) and uses a conventional or emerging technology to reduce sulfur dioxide emissions shall cause to be discharged into the atmosphere from that affected facility any gases that contain particulate matter in



excess of 0.10 lb/million BTU heat input

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 206: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 206.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 206.2:

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.

Parameter Monitored: OPACITY

Upper Permit Limit: 27 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 4/30/2009.

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

Condition 207: Particulate matter and opacity exemption.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 207.1:

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

Process: 002

Emission Source: S0009

Item 207.2:

The particulate matter and opacity standards



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

Item 210.1:

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

Item 210.2:

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

Condition 211: Averaging period.
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 211.1:

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

Item 211.2:

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 212: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 212.1:

The Compliance Certification activity will be performed for:

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

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

Item 212.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the emission limits under this section is determined on a 24-hour average basis for the initial performance test and on a 3-hour average basis for subsequent performance tests for any affected facilities that:

(1) Combust alone or in combination, only natural gas,



distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;

(2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and

(3) Are subject to a Federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil and nitrogen content of 0.30 weight percent or less.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 213: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 213.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Regulated Contaminant(s):

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

Item 213.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected facilities that meet the criteria described in paragraphs (j)(1), (2), and (3) of this section and that have a heat input capacity of 250 MM Btu/hr or less, are not subject to the nitrogen oxides emission limits under this section.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 214: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:40CFR 60.45b(j), NSPS Subpart Db

Item 214.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Item 214.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 215: Compliance and performance methods for oxides of nitrogen and particulate matter.

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 215.1:

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

Item 215.2:

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 216: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 216.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Regulated Contaminant(s):

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

Item 216.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To determine compliance with the emission limits for nitrogen oxides required under 40 CFR 60-Db.44b, the owner or operator of an affected facility shall conduct the performance test as required under 40 CFR 60.8 using the continuous system for monitoring nitrogen oxides under 40 CFR 60.48(b).

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: CONTINUOUS

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 1/30/2009.

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

**Condition 217: Alternative sulfur dioxide monitoring method.
Effective between the dates of 10/28/2008 and 10/27/2013**

Applicable Federal Requirement:40CFR 60.47b(f), NSPS Subpart Db

Item 217.1:

This Condition applies to

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Item 217.2:

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 218: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013**



Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db

Item 218.1:

The Compliance Certification activity will be performed for:

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

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

Item 218.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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).

Very low sulfur oil means an oil that contains no more than 0.5 weight percent sulfur or that, when combusted without sulfur dioxide emission control, has a sulfur dioxide emission rate equal to or less than 215 ng/J (0.5 lb/million Btu) heat input.

Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60-Db.47b.

40 CFR 60-Db.47b(f), NSPS which limits the sulfur content in the residual oil to 0.5 percent by weight is not applicable to this facility. This regulation is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight for facilities in a severe ozone non-attainment area such as New York City.

New York Presbyterian Hospital must comply with the 0.30 percent by weight sulfur content limit as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Db.47b(f), NSPS. Records of fuel receipts in accordance with 40 CFR 60.49b(r), indicating fuel sulfur content, are to be maintained on file to determine compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566



Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 219: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 219.1:

The Compliance Certification activity will be performed for:

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

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

Item 219.2:

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 section 40
CFR 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.

Manufacturer Name/Model Number: COMS
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 220: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 220.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

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

Item 220.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the CEM system.

Manufacturer Name/Model Number: CEMS for BABCOCK & WILCOX/FM-2566

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 221: Use of alternative methods for measuring NOx during CEMS downtime

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 221.1:

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

Item 221.2:

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 222: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 222.1:



The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Item 222.2:

Compliance Certification shall include the following monitoring:

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 223: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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



Item 223.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Item 223.2:

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. The owner or operator of each affected facility described in 40 CFR 60-Db.44b(j) or 40 CFR 60-44b(k) shall submit to the Administrator the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility.

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 224: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 224.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Item 224.2:

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 225: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 225.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

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

Item 225.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ASTM Method D-5762 or D3431-80 or per fuel suppliers will be used to determine fuel bound nitrogen content of the residual oil combusted in the new 137.8 MM Btu/hr boiler (Emission Source 00009), and calculate the average fuel nitrogen content on a per calendar quarter basis.

For an affected facility that combusts residual oil and meets the criteria under 40 CFR 60-Db.46b(e), 40 CFR 60-Db.44b(j), or (k), the owner or operator shall maintain records of the nitrogen content of the residual oil combusted in the affected facility and calculate the average fuel nitrogen content on a per calendar quarter basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Manufacturer Name/Model Number: BABCOCK & WILCOX/FM-2566

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Reference Test Method: ASTM Method D-5762 or D-3228 or D3431-80

Monitoring Frequency: PER DELIVERY

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 1/30/2009.

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

Condition 226: Compliance Certification



Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 226.1:

The Compliance Certification activity will be performed for:

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

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

Item 226.2:

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 4/30/2009.

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

Condition 227: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 227.1:

The Compliance Certification activity will be performed for:

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

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

Item 227.2:

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 NO₂) (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 preceding 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)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 228: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 228.1:
The Compliance Certification activity will be performed for:

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

Item 228.2:



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 4/30/2009.

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

Condition 229: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 229.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 002

Emission Source: S0009

Regulated Contaminant(s):

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

Item 229.2:

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 4/30/2009.

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

Condition 230: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013



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

Item 230.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Item 230.2:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 231: Records Retention

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 231.1:

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

Process: 002

Emission Source: S0009

Item 231.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 232: Compliance Certification

Effective between the dates of 10/28/2008 and 10/27/2013

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

Item 232.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: 002

Emission Point: 00001
Emission Source: S0009

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE



Item 232.2:

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 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 4/30/2009.

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

Condition 233: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 212.2

Item 233.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: ETO

Emission Source: S0007

Regulated Contaminant(s):

CAS No: 000075-21-8

ETHYLENE OXIDE

Item 233.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The ETO Sterilizer will be operated once a day, five days a week and 52 weeks a year.

This condition specifies the determination of environmental rating. When an application is made for a permit to construct or for a certificate to operate for a process emission source, the commissioner will issue an environmental rating for each air contaminant from each emission point in accordance with Table 1 of 6 NYCRR 212.2.



Ethylene oxide is listed in Table II of Air Guide 1 as a high toxicity air contaminant due to the high potential for causing adverse effects on receptors or the environment as a result of exposure. As such, according to the criteria of Table 1 of 6 NYCRR 212.2, an "A" environmental rating is assigned. Therefore, the owner or the operator of the affected facility must control ethylene oxide emissions to achieve 99% contaminant capture. This is usually achieved by the installation and use of an abator (Emission control S0007 - Safe-Cell 2002 EtO Scrubber Unit).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OXYFUME 2002

Manufacturer Name/Model Number: Safe-Cell 2002 ETO Scrubber Unit (abator)

Parameter Monitored: ETHYLENE OXIDE

Lower Permit Limit: 99 percent

Reference Test Method: EPA Approved method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 234: Emissions from Existing Sources
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 212.3(a)

Item 234.1:

This Condition applies to Emission Unit: U-00002 Emission Point: 00002
Process: ETO Emission Source: S0007

Item 234.2: 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.

Condition 235: EtO sterilization - Abator operation required during sterilization
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 212.3(a)

Item 235.1:

This Condition applies to Emission Unit: U-00002 Emission Point: 00002
Process: ETO Emission Source: S0007

Item 235.2:

The EtO abator must be in operation whenever EtO sterilization is conducted.



Condition 236: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 212.3(a)

Item 236.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: ETO Emission Source: S0007

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 236.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the EtO abator is to be monitored for compliance in accordance with manufacturer's instructions and this condition. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

New York Presbyterian Hospital (Uptown Campus) has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator (Safe-Cell 2002 ETO Scrubber Unit - 100 CFM EtO abator), which is identified as Emission Control S0007 in Emission Unit U-00002.

The new ethylene oxide sterilizer (Emission Source S0006) has a built in aerator and is also equipped with an abator (Emission Control S0007) which controls the EtO emission to a maximum of 0.0138 pounds per hour at Emission Point 00002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being reduced to 0.0138 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point E0002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

Compliance of the EtO gas emissions from the sterilizer to



the atmosphere with the limit of 0.0138 pounds per hour in Emission Point E0002 and Emission Unit U-00002 is to be verified with a stack test once during the term of the permit.

Process Material: OXYFUME 2002
Manufacturer Name/Model Number: CASTLE - M/C 4271 (ETO Sterilizer)
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.0138 pounds per hour
Reference Test Method: Part 60, Method 18
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 4/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 237: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 237.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002	Emission Point: 00002
Process: ETO	Emission Source: S0007

Item 237.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources)



and in compliance with section 212.6(a) are detected , the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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

Condition 238: Compliance Certification
Effective between the dates of 10/28/2008 and 10/27/2013

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 238.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Process: ETO

Emission Source: S0007

Regulated Contaminant(s):

CAS No: 000075-21-8

ETHYLENE OXIDE

Item 238.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.



2. The quantity of sterilization gas used in pounds per hour, per day and per year.
3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: Safe-Cell 2002 ETO Scrubber Unit (abator)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2009.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 239: Contaminant List

Effective between the dates of 10/28/2008 and 10/27/2013

Applicable State Requirement:ECL 19-0301

Item 239.1:

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

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 007446-09-5



Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 1-6: Unavoidable noncompliance and violations
Effective between the dates of 06/09/2009 and 10/27/2013

Applicable State Requirement:6NYCRR 201-1.4

Item 1-6.1:

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

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

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

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

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or



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

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

Condition 1-7: Air pollution prohibited
Effective between the dates of 06/09/2009 and
10/27/2013

Applicable State Requirement:6NYCRR 211.2

Item 1-7.1:

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.

