

**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: NEW YORK AND PRESBYTERIAN HOSPITAL  
622 W 168TH ST  
NEW YORK, NY 10032-3702

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

Authorized Activity By Standard Industrial Classification Code:



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 201-6.5(g): Non Applicable requirements
- 2 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 3 6NYCRR 225.1(a)(3): Compliance Demonstration
- 4 40CFR 60.9, NSPS Subpart A: Availability of information.
- 5 40CFR 60.49b(e), NSPS Subpart Db: Compliance Demonstration

**Emission Unit Level**

**EU=U-00ONE,Proc=OIL**

- 6 40CFR 60.42b(a), NSPS Subpart Db: Sulfur dioxide standard.
- 7 40CFR 60.42b(c), NSPS Subpart Db: Sulfur dioxide standard.
- 8 40CFR 60.43b(b), NSPS Subpart Db: Particulate matter standard.

**EU=U-00ONE,EP=E0001**

- 9 6NYCRR 227-1.3(a): Compliance Demonstration
- 10 6NYCRR 227-2.1(a)(5): Compliance Demonstration
- 11 6NYCRR 227-2.6(b): Compliance Demonstration
- 12 6NYCRR 227.2(b)(1): Compliance Demonstration

**EU=U-00ONE,EP=E0001,Proc=GAS,ES=S0008**

- 13 6NYCRR 227-2.4(b): Compliance Demonstration
- 14 6NYCRR 227-2.6(a)(3): Compliance Demonstration
- 15 6NYCRR 227-2.6(c): Compliance Demonstration
- 16 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 17 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 18 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 19 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 20 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 21 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 22 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 23 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 24 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 25 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 26 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 27 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 28 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 29 40CFR 60.9, NSPS Subpart A: Availability of information.
- 30 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 31 40CFR 60.12, NSPS Subpart A: Circumvention.
- 32 40CFR 60.13, NSPS Subpart A: Monitoring requirements.



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- 33 40CFR 60.13(c), NSPS Subpart A: Compliance Demonstration
- 34 40CFR 60.14, NSPS Subpart A: Modifications.
- 35 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 36 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 37 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 38 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Demonstration
- 39 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 40 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 41 40CFR 60.44b(j), NSPS Subpart Db: Compliance Demonstration
- 42 40CFR 60.44b(k), NSPS Subpart Db: Compliance Demonstration
- 43 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 44 40CFR 60.46b(e), NSPS Subpart Db: Compliance Demonstration
- 45 40CFR 60.48b(a), NSPS Subpart Db: Compliance Demonstration
- 46 40CFR 60.48b(b), NSPS Subpart Db: Compliance Demonstration
- 47 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NOx during CEMS downtime
- 48 40CFR 60.49b(a), NSPS Subpart Db: Compliance Demonstration
- 49 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 50 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 51 40CFR 60.49b(f), NSPS Subpart Db: Compliance Demonstration
- 52 40CFR 60.49b(g), NSPS Subpart Db: Compliance Demonstration
- 53 40CFR 60.49b(h), NSPS Subpart Db: Compliance Demonstration
- 54 40CFR 60.49b(i), NSPS Subpart Db: Compliance Demonstration
- 55 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

**EU=U-00ONE,EP=E0001,Proc=OIL,ES=S0008**

- 56 6NYCRR 227-2.4(b): Compliance Demonstration
- 57 6NYCRR 227-2.6(a)(3): Compliance Demonstration
- 58 6NYCRR 227-2.6(c): Compliance Demonstration
- 59 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 60 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 61 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 62 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 63 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 64 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 65 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 66 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 67 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 68 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 69 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 70 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 71 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 72 40CFR 60.9, NSPS Subpart A: Availability of information.



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- 73 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 74 40CFR 60.12, NSPS Subpart A: Circumvention.
- 75 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 76 40CFR 60.13(c), NSPS Subpart A: Compliance Demonstration
- 77 40CFR 60.14, NSPS Subpart A: Modifications.
- 78 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 79 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 80 40CFR 60.42b(j)(2), NSPS Subpart Db: Compliance Demonstration
- 81 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 82 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 83 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Demonstration
- 84 40CFR 60.44b(a)(2), NSPS Subpart Db: Standard for oxides of nitrogen.
- 85 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 86 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 87 40CFR 60.44b(j), NSPS Subpart Db: Compliance Demonstration
- 88 40CFR 60.44b(k), NSPS Subpart Db: Compliance Demonstration
- 89 40CFR 60.45b(j), NSPS Subpart Db: Compliance Demonstration
- 90 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 91 40CFR 60.46b(e), NSPS Subpart Db: Compliance Demonstration
- 92 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.
- 93 40CFR 60.47b(f), NSPS Subpart Db: Compliance Demonstration
- 94 40CFR 60.48b(a), NSPS Subpart Db: Compliance Demonstration
- 95 40CFR 60.48b(b), NSPS Subpart Db: Compliance Demonstration
- 96 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NO<sub>x</sub> during CEMS downtime
- 97 40CFR 60.49b(a), NSPS Subpart Db: Compliance Demonstration
- 98 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 99 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 100 40CFR 60.49b(e), NSPS Subpart Db: Compliance Demonstration
- 101 40CFR 60.49b(f), NSPS Subpart Db: Compliance Demonstration
- 102 40CFR 60.49b(g), NSPS Subpart Db: Compliance Demonstration
- 103 40CFR 60.49b(h), NSPS Subpart Db: Compliance Demonstration
- 104 40CFR 60.49b(i), NSPS Subpart Db: Compliance Demonstration
- 105 40CFR 60.49b(j), NSPS Subpart Db: Compliance Demonstration
- 106 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
- 107 40CFR 60.49b(r), NSPS Subpart Db: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 108 ECL 19-0301: Contaminant List
- 109 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 110 6NYCRR 201-5: Emission Unit Definition



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\*111 6NYCRR 201-7.2: Capping Monitoring Condition

\*112 6NYCRR 201-7.2: Capping Monitoring Condition

113 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

114 6NYCRR 201-5: Emission Point Definition By Emission Unit

115 6NYCRR 201-5: Process Definition By Emission Unit

116 6NYCRR 201-7.2: Emission Unit Permissible Emissions

117 6NYCRR 201-7.2: Process Permissible Emissions

**EU=U-00ONE,EP=E0001,Proc=GAS,ES=S0008**

\*118 6NYCRR 201-7.2: Capping Monitoring Condition

**EU=U-00ONE,EP=E0001,Proc=OIL,ES=S0008**

\*119 6NYCRR 201-7.2: Capping Monitoring Condition

NOTE: \* preceding the condition number indicates capping. 8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 06/09/2004

Permit Expiration Date: No expiration date.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6NYCRR Part 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

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.

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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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.

**Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: 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



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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 F: Recycling and Salvage - 6NYCRR Part 201-1.7**

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 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8**

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.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)**

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 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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criteria described in 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 J: Required Emission Tests - 6 NYCRR Part 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 211.3**

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.

**Item L: Open Fires - 6 NYCRR Part 215**

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

**Item M: 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



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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 N: 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.

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 1: Non Applicable requirements  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 1.1:**

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

6NYCRR 231-2

Reason: N Y Presbyterian Hospital operates a few air pollution sources, which include five boilers (burning number 6 oil and natural gas), five emergency generators, ethylene oxide sterilizer, fume hoods and storage tanks.

In an effort to modernize the boiler plant, the hospital proposes to shut down two existing boilers (Emission Sources S0001 & S0002), each rated at 49 MM Btu/hr, and replace them with a state-of-the-art, modern and efficient new boiler rated at 137.8 MM Btu/hr and utilizing number 6 fuel oil and natural gas. This ASF is for obtaining a

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permit to construct the new 137.8 MM Btu/hr boiler.

The contemporaneous period:

The scheduled construction commencement date for the new boiler (Emission Source S0008) is December 2003, and the scheduled operation commencement date is February 2004. Hence, the contemporaneous period for this project is January 1998 to December 2002. The existing two 49 MM Btu/hr boilers (Emission Sources S0001 & S0002) will be removed from service prior to the installation of the new boiler (Emission Source S0008).

Pursuant to 40 CFR Part 52.21 (b)(21)(ii), the facility proposes to use the actual emissions baseline period for the two 49 MM Btu/hr boilers (Emission Sources S0001 & S0002) as 2000-2001, since 2002 emissions are not representative of normal operation as very little fuel oil was used.

Netting Analysis for NO<sub>x</sub>:

The proposed NO<sub>x</sub> increase from this project is = 56.8 TPY (PTE of new boiler (Emission Source S0008)).

The actual 2000 emissions = 18.63 TPY, the 2001 actual emissions = 16.14 TPY and the average actual emissions for S0001 & S0002 =  $(18.63 + 16.14)/2 = 17.4$  TPY.

There are no other contemporaneous increases for this project. Hence, the net Emissions increase (NEI) for NO<sub>x</sub> = PEP + contemporaneous increases - contemporaneous decreases =  $56.8 - 17.4 = 39.4$  TPY, which is < 40 TPY and hence not a significant net emissions increase. Therefore, this project is NOT subject to PSD for NO<sub>x</sub>. The projected maximum NO<sub>x</sub> emissions from the new boiler is = 56.8 TPY

Netting Analysis for SO<sub>2</sub>:

The proposed SO<sub>2</sub> increase from this project is = 44.3 TPY (PTE of new boiler (Emission Source S0008)).

For the existing two 49 MM Btu/hr boilers (Emission Sources S0001 & S0002), the 2000 SO<sub>2</sub> actual emissions is

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13.2 TPY, the 2001 actual emissions is 8.0 TPY, and the average actual SO<sub>2</sub> emissions is 10.6 TPY.

There are no other contemporaneous increases for this project. Hence, the net emissions increase for SO<sub>2</sub>, NEI = 44.3 - 10.6 = 33.7 TPY < 40 TPY and hence not a significant net emissions increase. Therefore, this project is NOT subject to PSD for SO<sub>2</sub>.

**New Source Review Analysis:**

Since this facility is located in a severe ozone non-attainment area, the only non-attainment contaminants to be reviewed for Part 231 are NO<sub>x</sub> and VOC. Since the facility's current Title V permit has an enforceable permit condition limiting the use of number 6 fuel oil to 4.5 MM gallons per year. Therefore, the existing Maximum Annual Potential (MAP) of the boilers' emission unit is 412.57 TPY for NO<sub>x</sub> and 8.47 TPY for VOC. And since the modified Title V permit will retain the enforceable permit condition, hence limiting the use of number 6 fuel oil, therefore, the MAP for these contaminants will remain the same after the modification. According to Part 231-2.1(b)(40)(ii), since there is no increase in MAP for any contaminant, then the proposed boiler replacement project is not a Source Project and hence NOT subject to New Source review for either NO<sub>x</sub> or VOC.

**6NYCRR 231-2**

**Emission Unit: U00ONE**

**Reason:** The facility operates five boilers firing natural gas and number 6 fuel oil. The facility is planning to shut down and remove two Babcock & Wilcox boilers, each rated at 49 MM Btu/hr, and install one new 137.8 MM Btu/hr Nebraska (or equivalent) boiler firing natural gas and number 6 fuel oil. Since this source is located in a severe ozone non-contaminant area, the only non-attainment contaminants to be reviewed for Part 231 are NO<sub>x</sub> and VOC. Based on the existing PTE and future PTE, there is no net emissions increase due to the enforceable permit condition in the current Title V limiting the use of number 6 fuel oil to 4.5 MM gallons. The project is not a source project and is not subject to Part 231. Also, PSD is not applicable since the new boiler's emissions do not exceed the PSD threshold. The analysis for PSD/NSR/Part 231 netting was submitted with the ASF application.

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The existing Maximum Annual Potential (MAP) of the boilers' emission unit is 412.57 TPY for NO<sub>x</sub> and 8.47 TPY for VOC. Since the ASF and the modified Title V permit will retain the enforceable permit condition limiting the use of number 6 fuel oil, the MAP for these contaminants will remain the same after the modification. Therefore, pursuant to Part 231-2.1(b)(40)(ii), since there is no increase in MAP for any contaminant, the proposed boiler replacement project is not a Source Project and hence not subject to Part 231 for either NO<sub>x</sub> or VOC.

40CFR 52-A.21

Emission Unit: U00ONE

Reason: The facility operates five boilers firing natural gas and number 6 fuel oil. The facility is planning to shut down and remove two Babcock & Wilcox boilers, each rated at 49 MM Btu/hr, and install one new 137.8 MM Btu/hr Nebraska (or equivalent) boiler firing natural gas and number 6 fuel oil. Since this source is located in a severe ozone non-attainment area, the only non-attainment contaminants to be reviewed for Part 231 are NO<sub>x</sub> and VOC. Based on the existing PTE and future PTE, there is no net emissions increase due to the enforceable permit condition in the current Title V limiting the use of number 6 fuel oil to 4.5 MM gallons. The project is not a source project and is not subject to Part 231. Also, PSD is not applicable since the new boiler's emissions do not exceed the PSD threshold. The analysis for PSD/NSR/Part 231 netting was submitted with the ASF application.

The existing Maximum Annual Potential (MAP) of the boilers' emission unit is 412.57 TPY for NO<sub>x</sub> and 8.47 TPY for VOC. Since the ASF and the modified Title V permit will retain the enforceable permit condition limiting the use of number 6 fuel oil, the MAP for these contaminants will remain the same after the modification. Therefore, pursuant to Part 231-2.1(b)(40)(ii), since there is no increase in MAP for any contaminant, the proposed boiler replacement project is not a Source Project and hence not subject to Part 231 for either NO<sub>x</sub> or VOC.

40CFR 52-A.21

Reason: Project Description:

The project involves the shutting down of two existing boilers (Emission Sources S0001 & S0002), each rated at 49 MM Btu/hr and operate on number 6 fuel oil and natural

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gas. These two boilers will be replaced by a state-of-the-art, modern and efficient new boiler rated at 137.8 MM Btu/hr (Emission Source S0008) and utilizing number 6 fuel oil and natural gas. The other three boilers (Emission Sources S0003, S0004 & S0005) remain unchanged. The facility's Title V permit that was issued on 2/6/2002 has an enforceable permit condition limiting the use of number 6 fuel oil to 4.5 MM gallons and hence limiting the sulfur dioxide (SO<sub>2</sub>) emissions to less than 100 tons per year (95 TPY). This condition will remain in the permit.

**PSD Applicability Analysis:**

The facility is limiting the use of number 6 fuel oil to 4.5 MM gallons and hence limiting the sulfur dioxide emissions to less than 100 tons per year (95 TPY). For this project, the NO<sub>x</sub> potential to emit (PTE) for the new 137.8 MM Btu/hr boiler is 56.8 TPY, and the SO<sub>2</sub> potential to emit is 44.3 TPY. This NO<sub>x</sub> and SO<sub>2</sub> limit translates to a limit of 1.87 MM gallons per year of number 6 fuel oil, and 274.62 MM cubic feet per year of natural gas for the new boiler (Emission Source S0008). In the event of decreasing the number 6 fuel oil and increasing the natural gas consumption, or vice-versa, the total annual NO<sub>x</sub> and SO<sub>2</sub> emissions shall not exceed 56.8 TPY and 44.3 TPY, respectively. This will be reflected by documenting the annual fuel consumption and submitting the annual emission statement.

From the PSD applicability analysis, most PSD pollutants such as PM-10 emit below significance levels and hence are not subject to PSD. The only PSD pollutants that have a significant emission increase are the NO<sub>x</sub> (56.8 TPY) and the SO<sub>2</sub> (44.3 TPY). Since each boiler has an individual fuel meter, the new boiler's significant emissions increase can be netted out using the reductions resulting from the shutdown of the two 49 MM Btu/hr boilers (Emission Sources S0001 & S0002).

**Netting Analysis for SO<sub>2</sub>:**

The proposed SO<sub>2</sub> increase from this project is = 44.3 TPY (PTE of new boiler (Emission Source S0008)).

For the existing two 49 MM Btu/hr boilers (Emission Sources S0001 & S0002), the 2000 SO<sub>2</sub> actual emissions is



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13.2 TPY, the 2001 actual emissions is 8.0 TPY, and the average actual SO<sub>2</sub> emissions is 10.6 TPY.

There are no other contemporaneous increases for this project. Hence, the net emissions increase for SO<sub>2</sub>, NEI = 44.3 - 10.6 = 33.7 TPY < 40 TPY and hence not a significant net emissions increase. Therefore, this project is NOT subject to PSD for SO<sub>2</sub>.

**Condition 2: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase sell, or offer for sale and 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: 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 7/30/2004.

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

**Condition 3: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

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**Item 3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 3.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 4: Availability of information.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 4.1:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 5: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):



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**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

Reference Test Method: ASTM Method D3431-80

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 6: Sulfur dioxide standard.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 6.1:**

This Condition applies to Emission Unit: U-00ONE  
Process: OIL

**Item 6.2:**

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

Where: Es = sulfur dioxide emission standard,

Ka = 1.2 lb/mmBtu,

Kb = 0.8 lb/mmBtu,

Ha = heat input coal mmBtu,

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

**Condition 7: Sulfur dioxide standard.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

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**Item 7.1:**

This Condition applies to Emission Unit: U-00ONE  
Process: OIL

**Item 7.2:**

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 lb/mmBtu,

Kd = 0.4 lb/mmBtu,

Hc = heat input from coal,

Hd = heat input from oil.

**Condition 8: Particulate matter standard.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 8.1:**

This Condition applies to Emission Unit: U-00ONE  
Process: OIL

**Item 8.2:**

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

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



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**DEVICE PARAMETERS AS SURROGATE**

**Monitoring Description:**

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 10: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Regulated Contaminant(s):

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

**Item 10.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 11: Compliance Demonstration**



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**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Regulated Contaminant(s):

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

**Item 11.2:**

Compliance Demonstration 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. The CEM system is required to meet the requirements of 40 CFR 60 Appendices B and F.

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 7/30/2004.

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

**Condition 12: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 13: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: GAS Emission Source: S0008

Regulated Contaminant(s):

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

**Item 13.2:**

Compliance Demonstration 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

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boiler must comply with the listed NO<sub>x</sub> 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<sub>x</sub> RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btu per hour.

Process Material: NUMBER 6 OIL  
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: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



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**Monitoring Description:**

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

The owner/operator of large boilers shall measure NO<sub>x</sub> 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<sub>x</sub> RACT for Gas/Oil Boilers is a limit of 0.30 pounds per million BTU per hour.

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 15: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: GAS Emission Source: S0008

Regulated Contaminant(s):

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

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

The owner/operator of large boilers (between 100 and 250



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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 Btu per hour 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.

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 16: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 16.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008



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**Item 16.2:**

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 17: EPA Region 2 address.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 17.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 17.2:**

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 18: Date of construction notification.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 18.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 18.2:**

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30



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days after such date;

3) a notification of the actual date of initial start up, postmarked within 15 days after such date;

4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and

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

**Condition 19: Recordkeeping requirements.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 19.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 19.2:**

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 20: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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**Item 20.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 21: Excess Emissions Report**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 21.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001



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Process: GAS

Emission Source: S0008

**Item 21.2:**

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 22: Facility files for subject sources.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 22.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 22.2:**

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 23: Performance testing timeline.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 23.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 23.2:**

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 24: Performance test methods.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 24.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 24.2:**



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

**Condition 25: Required performance test information.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 25.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 25.2:**

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 26: Prior notice.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 26.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 26.2:**

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

**Condition 27: Performance testing facilities.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 27.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 27.2:**

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



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4) utilities for sampling and testing equipment.

**Condition 28: Number of required tests.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 28.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 28.2:**

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 29: Availability of information.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 29.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 29.2:**

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 30: Opacity standard compliance testing.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 30.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 30.2:**

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

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

**Condition 31: Circumvention.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 31.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 31.2:**

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 32: Monitoring requirements.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 32.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 32.2:**

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

**Condition 33: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 33.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 33.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**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.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 34: Modifications.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 34.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 34.2:**

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.



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**Condition 35: Reconstruction.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 35.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 35.2:**

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

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

**Condition 36: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 36.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 36.2:**

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Compliance Demonstration 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 7/30/2004.

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

**Condition 37: Particulate matter and opacity exemption.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 37.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 37.2:**

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

**Condition 38: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

Regulated Contaminant(s):

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

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**Item 38.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 39: Applicability of oxides of nitrogen standard.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 39.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 39.2:**

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

**Condition 40: Averaging period.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 40.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 40.2:**

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 41: Compliance Demonstration  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 41.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 41.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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



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**Condition 42: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 42.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 43: Compliance and performance methods for oxides of nitrogen and particulate matter.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 43.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 43.2:**

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 44: Compliance Demonstration**



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**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 44.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 44.2:**

Compliance Demonstration 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

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appedix 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 7/30/2004.

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

**Condition 45: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 45.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 45.2:**

Compliance Demonstration 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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 46: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 46.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: GAS Emission Source: S0008

Regulated Contaminant(s):

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

**Item 46.2:**

Compliance Demonstration 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

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oxides emissions discharged to the atmosphere and record the output of the CEM system.

Manufacturer Name/Model Number: CEMS  
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 7/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 47: Use of alternative methods for measuring NOx during CEMS downtime**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 47.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 47.2:**

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 48: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 48.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 48.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 49: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 49.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001



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Process: GAS

Emission Source: S0008

**Item 49.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 50: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 50.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: GAS Emission Source: S0008

**Item 50.2:**

Compliance Demonstration 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.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 51: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 51.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

**Item 51.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 52: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 52.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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

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**Item 52.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 53: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 53.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

**Item 53.2:**

Compliance Demonstration 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.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 54: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 54.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: GAS Emission Source: S0008

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Regulated Contaminant(s):

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

**Item 54.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 55: Records Retention**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 55.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001

Process: GAS Emission Source: S0008

**Item 55.2:**

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 56: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 56.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: OIL Emission Source: S0008



**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**

Regulated Contaminant(s):

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

**Item 56.2:**

Compliance Demonstration 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<sub>x</sub> 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<sub>x</sub> RACT for large gas/oil boilers is a limit of 0.30 pounds per million Btu per hour.

Process Material: NUMBER 6 OIL

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: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 57: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 57.1:**

The Compliance Demonstration activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 57.2:**

Compliance Demonstration 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 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.

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

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 58: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 58.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**



**Item 58.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**



**Condition 59: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 59.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 59.2:**

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 60: EPA Region 2 address.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 60.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 60.2:**

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 61: Date of construction notification.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**

**Item 61.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 61.2:**

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

**Condition 62: Recordkeeping requirements.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 62.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 62.2:**

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.

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**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**



**Condition 63: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 63.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-000NE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 63.2:**

Compliance Demonstration 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.



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**Facility DEC ID: 2620100005**

The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 64: Excess Emissions Report**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 64.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 64.2:**

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 65: Facility files for subject sources.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 65.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 65.2:**

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 66: Performance testing timeline.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 66.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 66.2:**

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.



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**Condition 67: Performance test methods.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 67.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 67.2:**

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

**Condition 68: Required performance test information.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 68.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 68.2:**

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 69: Prior notice.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 69.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 69.2:**

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

**Condition 70: Performance testing facilities.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 70.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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**Permit ID: 2-6201-00005/00009**

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**Item 70.2:**

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 71: Number of required tests.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 71.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 71.2:**

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 72: Availability of information.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 72.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 72.2:**

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 73: Opacity standard compliance testing.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 73.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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**Facility DEC ID: 2620100005**



**Item 73.2:**

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 74: Circumvention.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 74.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 74.2:**

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 75: Monitoring requirements.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 75.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 75.2:**

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

**Condition 76: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

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**Item 76.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 76.2:**

Compliance Demonstration 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 77: Modifications.**



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**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 77.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 77.2:**

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 78: Reconstruction.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 78.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 78.2:**

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

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

**Condition 79: Demonstration criteria for low sulfur oil.**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**

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

**Item 79.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 79.2:**

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

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

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

**Condition 80: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 80.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 80.2:**

Compliance Demonstration 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



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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  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.3 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 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 81: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 81.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 81.2:**

Compliance Demonstration 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



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**Facility DEC ID: 2620100005**

Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 82: Particulate matter and opacity exemption.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 82.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 82.2:**

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

**Condition 83: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 83.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 83.2:**

Compliance Demonstration 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)



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Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 84: Standard for oxides of nitrogen.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 84.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 84.2:**

Oxides of nitrogen emissions while firing residual oil in low heat release rate units shall not exceed 0.30 lb/mmBtu.

**Condition 85: Applicability of oxides of nitrogen standard.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 85.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 85.2:**

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

**Condition 86: Averaging period.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 86.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 86.2:**

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 87: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

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**Item 87.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 87.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 88: Compliance Demonstration**



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**Facility DEC ID: 2620100005**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 88.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 88.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 89: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.45b(j), NSPS Subpart Db**

**Item 89.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 89.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of this section if the owner or operator obtains fuel receipts as described in §60.49b(r).

Monitoring Frequency: PER DELIVERY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 90: Compliance and performance methods for oxides of nitrogen and particulate matter.**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 90.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 90.2:**

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 91: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 91.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 91.2:**

Compliance Demonstration 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



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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  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.30 pounds per million Btus  
Reference Test Method: 40 CFR Part 60, Appedix 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 7/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 92: Alternative sulfur dioxide monitoring method.  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db**

**Item 92.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 92.2:**

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 93: Compliance Demonstration  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db**

**Item 93.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 93.2:**

Compliance Demonstration shall include the following monitoring:

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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

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 7/30/2004.

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



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**Condition 94: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 94.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 94.2:**

Compliance Demonstration 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  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 95: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 95.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008



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Regulated Contaminant(s):

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

**Item 95.2:**

Compliance Demonstration 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

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 7/30/2004.

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

**Condition 96: Use of alternative methods for measuring NOx during CEMS downtime**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 96.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 96.2:**

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 97: Compliance Demonstration**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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



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**Item 97.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 97.2:**

Compliance Demonstration 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



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 98: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 98.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: OIL Emission Source: S0008

**Item 98.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 99: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 99.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: OIL Emission Source: S0008

**Item 99.2:**

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Compliance Demonstration 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 100: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 100.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: OIL Emission Source: S0008

Regulated Contaminant(s):

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

**Item 100.2:**

Compliance Demonstration 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



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average fuel nitrogen content on a per calendar quarter basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

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 7/30/2004.

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

**Condition 101: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 101.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-000NE Emission Point: E0001

Process: OIL Emission Source: S0008

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 101.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 102: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 102.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 102.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.



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- 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 7/30/2004.

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

**Condition 103: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 103.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001

Process: OIL Emission Source: S0008

**Item 103.2:**

Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.



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

**Condition 104: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 104.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 104.2:**

Compliance Demonstration 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 7/30/2004.

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

**Condition 105: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 105.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 105.2:**



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Compliance Demonstration 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 7/30/2004.

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

**Condition 106: Records Retention**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 106.1:**

This Condition applies to Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

**Item 106.2:**

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 107: Compliance Demonstration**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 107.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008

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

**Item 107.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**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 7/30/2004.

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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 108: Contaminant List**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 108.1:**

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

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

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

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

**Condition 109: Unavoidable noncompliance and violations**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

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

**Item 109.1:**

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



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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 superseded 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 110: Emission Unit Definition**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 110.1:**

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

Emission Unit: U-00ONE

Emission Unit Description:

Emission Unit U-00ONE consists of five boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005), of which two boilers are 49 MM Btu/hr each Babcock & Wilcox boilers (Emission Sources S0001 & S0002) and are to be shut down and removed. The hospital is planning to install one new 137.8 MM Btu/hr Nebraska (or equivalent, Emission Source S0008) boiler that will operate on natural gas (Process GAS) and number 6 fuel oil (Process OIL). The exhaust gases will be discharged to the atmosphere via a common stack connected to the three existing boilers, identified



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as Emission Point E0001.

The other three boilers at the facility are: Emission Source S0003, 150 MM Btu/hr Babcock & Wilcox constructed in 1975, and Emission Sources S0004 & S0005, both are 150 MM Btu/hr each Combustion Engineering and constructed in 1967.

Building(s): HOSPITAL

**Condition 111: Capping Monitoring Condition**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 111.1:**

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 111.2:**

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

**Item 111.3:**

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 111.4:**

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 111.5:**

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 111.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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CAS No: 007446-09-5    SULFUR DIOXIDE

**Item 111.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To cap out of 40 CFR 52-A.21, Prevention of Significant Deterioration, # 6 fuel oil usage at this facility shall not exceed 4.5 million gallons for any twelve (12) consecutive months.

Fuel consumption records shall be maintained on a daily, monthly, and every twelve (12) consecutive months basis. Number 6 fuel oil usage at this facility shall not exceed 4.5 million gallons for any twelve (12) consecutive months. Since the fuel oil consumption is a surrogate of the SO<sub>2</sub> emissions, the facility is to monitor the fuel oil consumption and keep records of the fuel oil consumption on a daily basis and report it quarterly.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 95 tons per year

Reference Test Method: Keep Records of Fuel

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

**Condition 112: Capping Monitoring Condition**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 112.1:**

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

40CFR 52-A.21



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**Item 112.2:**

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

**Item 112.3:**

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 112.4:**

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 112.5:**

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 112.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 112.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To cap out of 40 CFR 52-A.21, Prevention of Significant Deterioration, # 6 fuel oil usage at this facility shall not exceed 4.5 million gallons for any twelve (12) consecutive months.

Fuel consumption records shall be maintained on a daily, monthly, and every twelve (12) consecutive months basis. Number 6 fuel oil usage at this facility shall not exceed 4.5 million gallons for any twelve (12) consecutive months.

Work Practice Type: PROCESS MATERIAL THRUPUT



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Process Material: NUMBER 6 OIL  
Upper Permit Limit: 4.5 million gallons  
Reference Test Method: Keep Records of Fuel  
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 7/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 113: Air pollution prohibited**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 113.1:**

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.

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

**Condition 114: Emission Point Definition By Emission Unit**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 114.1:**

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

Emission Unit: U-00ONE

Emission Point: E0001

Height (ft.): 464                      Diameter (in.): 148  
NYTMN (km.): 4521.5      NYTME (km.): 589.4      Building: HOSPITAL

**Condition 115: Process Definition By Emission Unit**  
**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 115.1:**



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**Facility DEC ID: 2620100005**

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

Emission Unit: U-00ONE

Process: GAS

Source Classification Code: 1-02-006-01

Process Description:

Process GAS consists of firing natural gas in the new Nebraska (or equivalent) boiler (Emission Source S0008). Flue gases will exhaust via a common stack, identified as Emission Point E0001, connecting the three existing boilers (Emission Sources S0003, S0004 & S0005).

The new 137.8 MM Btu/hr boiler will be limited to 274,621,620 cubic feet per year of natural gas. The new 137.8 MM Btu/hr boiler will be limited to 1,877,755 gallons per year of number 6 fuel oil. This translates to 56.8 TPY of NOx emission and 44.3 TPY of SO2 emission.

In the event of decreasing the number 6 fuel oil and increasing the natural gas consumption, or vice-versa, the total annual NOx and SO2 emissions shall not exceed 56.8 TPY and 44.3 TPY, respectively. This will be reflected by documenting the annual fuel consumption and submitting the annual emission statement.

Emission Source/Control: S0001 - Combustion  
Design Capacity: 49 million Btu per hour

Removal Date: 06/01/2004

Emission Source/Control: S0002 - Combustion  
Design Capacity: 49 million Btu per hour

Removal Date: 06/01/2004

Emission Source/Control: S0008 - Combustion  
Design Capacity: 137.8 million Btu per hour

**Item 115.2:**

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

Emission Unit: U-00ONE

Process: OIL

Source Classification Code: 1-02-004-01

Process Description:

Process OIL consists of firing number 6 fuel oil in the new Nebraska (or equivalent) boiler (Emission Source S0008). Flue gases will exhaust via a common stack, identified as Emission point E0001, connecting the three existing boilers (Emission Sources S0003, S0004 & S0005).



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The new 137.8 MM Btu/hr boiler will be limited to 1,877,755 gallons per year of number 6 fuel oil. The new 137.8 MM Btu/hr boiler will be limited to 274,621,620 cubic feet per year of natural gas. This translates to 56.8 TPY of NOx emission and 44.3 TPY of SO2 emission.

In the event of decreasing the number 6 fuel oil and increasing the natural gas consumption, or vice-versa, the total annual NOx and SO2 emissions shall not exceed 56.8 TPY and 44.3 TPY, respectively. This will be reflected by documenting the annual fuel consumption and submitting the annual emission statement.

Emission Source/Control: S0001 - Combustion                      Removal Date: 06/01/2004  
Design Capacity: 49 million Btu per hour

Emission Source/Control: S0002 - Combustion                      Removal Date: 06/01/2004  
Design Capacity: 49 million Btu per hour

Emission Source/Control: S0008 - Combustion  
Design Capacity: 137.8 million Btu per hour

**Condition 116: Emission Unit Permissible Emissions  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 116.1:**

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-00ONE

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 43.3 pounds per hour  
88,600 pounds per year

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 36.7 pounds per hour  
113,600 pounds per year

**Condition 117: Process Permissible Emissions  
Effective between the dates of 06/09/2004 and Permit Expiration Date**

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**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**



**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 117.1:**

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-00ONE Process: GAS

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.0827 pounds per hour

165 pounds per year

Emission Unit: U-00ONE Process: OIL

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 43.3 pounds per hour

88,400 pounds per year

Emission Unit: U-00ONE Process: GAS

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 19.3 pounds per hour

38,400 pounds per year

Emission Unit: U-00ONE Process: OIL

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 36.7 pounds per hour

75,100 pounds per year

**Condition 118: Capping Monitoring Condition**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 118.1:**

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





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**Facility DEC ID: 2620100005**

Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 12 calendar month(s).

**Condition 119: Capping Monitoring Condition**

**Effective between the dates of 06/09/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 119.1:**

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 119.2:**

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

**Item 119.3:**

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 119.4:**

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 119.5:**

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 119.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00ONE Emission Point: E0001  
Process: OIL Emission Source: S0008



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**Permit ID: 2-6201-00005/00009**

**Facility DEC ID: 2620100005**

Regulated Contaminant(s):

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

**Item 119.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The number 6 fuel oil fuel consumption for the new boiler  
(Emission Source S00008) will be limited to 1,877,755  
gallons per year. The annual emission statement  
documenting the fuel consumption will be submitted to  
NYSDEC every April 15 of each year.

Process Material: NUMBER 6 OIL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1,877,755 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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