

New York State Department of Environmental Conservation
Facility DEC ID: 2600500011



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6005-00011/00004
Effective Date: 11/07/2005 Expiration Date: 11/06/2010

Permit Issued To: NYC HEALTH & HOSPITALS CORP
125 WORTH STREET
NEW YORK, NY 10013-4006

Contact: BEAU SCELZA
NYC HEALTH & HOSPITALS CORPORATION
125 WORTH ST
NEW YORK, NY 10013
(718) 918-3854

Facility: NYC-HH - JACOBI MEDICAL CTR
50 EASTCHESTER RD & PELHAM PKWY SOUTH
BRONX, NY 10461

Contact: MICHAEL RAWLINGS
JACOBI MEDICAL CENTER
50 EASTCHESTER RD & PELHAM PKWY SOUTH
BRONX, NY 10461
(718) 918-3597

Description:

PERMIT DESCRIPTION
NYC-HH - Jacobi Medical Center
DEC ID # 2-6005-00011/00004 (ATV) Ren 1

The NYC-HHC-Jacobi Medical Center (JMC), located at 50 Pelham Parkway & Eastchester Road, Bronx, NY, is a 450-bed renowned hospital, which provides healthcare. The industrial classification code (SIC) for this facility is 8062 - General Medical and Surgical Hospitals. The hospital is a Title V facility, operating four 30 MM Btu/hr each Johnston Pftar boilers, two 10.46 Mm Btu/hr each York-Shipley boilers, two ethylene oxide sterilizers with an abator, and a few exempt sources.

As a result of extensive facility renovation, the Title V renewal permit application for the modified future facility (by the end of 2005) will include the following emission sources:

- (i) Four existing 30 MM Btu/hr each Johnston Pftar boilers, at the Jacobi Main Building, operating on both natural gas and # 2 fuel oil - Emission Sources SN008, SN009, SN010 & SN011, and
- (ii) Two new 10.46 MM Btu/hr each York Shipley boilers, at the Ambulatory Building, operating on

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natural gas only - Emission Sources S0012 & S0013, and

(iii) Four new exempt each (less than 10 MM Btu/hr):

(a) Two 4.47 MM Btu/hr each Weil-McLain boilers at the Store House, operating on both, natural gas and # 2 fuel oil, and

(b) Two 1.68 MM Btu/hr each York Shipley boilers at the Staff House, operating on both, natural gas and # 2 fuel oil

(iv) Two new ethylene oxide sterilizers equipped with one new abator, replacing one existing sterilizer - Emission Sources/Control ES0007, ES0008 & ES0009

(v) Eight exempt emergency generators

NYC-HH - Jacobi Medical Center consists of three emission units: U-00001, U-00002, and U-00003. Below is a description of each of these three emission units:

Emission Unit U-00001 consists of four Johnston boilers, 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004), operating on natural gas (Process NG1) and No. 2 fuel oil (Process OL2). Three boilers are on at all times, and one boiler is on standby. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point E0001.

Emission Unit U-00002 will consist of two (2) new sterilizers (Emission Sources ES007 & ES008) equipped with an abator (Emission Control ES009), replacing one existing sterilizer (Emission Source S0006). The new sterilizers will be connected to a common stack, identified as Emission Point EP002 and will operate on Process ETO.

Emission Unit U-00003 consists of two (2) New York Shipley boilers, 10.46 MM Btu/hr each (Emission Sources ES010 & ES011), firing natural gas (Process NG2) only. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004, respectively. These boilers are located in the Ambulatory Building.

The Title V permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units, emission points, and its processes. NYC-HH - Jacobi Medical Center is subject to the provisions of Title V specified under 6 NYCRR 201-6 in addition to the following regulations and conditions:

1. In order to cap out of New Source Review (6 NYCRR 231-2), the facility is limiting the fuel as follows:

(a) For the four Johnston Pftar boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, the natural gas is limited to 630.72 million cubic feet per year, and the # 2 fuel oil is limited to 1.49 million gallons per year.

(b) For the two York Shipley boilers, 10.46 MM Btu/hr each, defined in Emission Unit U-00003 as Emission Sources S0010 & S0011, the natural gas is limited to 105 million cubic feet per year.



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(c) For the two Weil-McLain boilers, 4.47 MM Btu/hr each, the natural gas is limited to 35 million cubic feet per year, and the # 2 fuel oil is limited to 0.009 million gallons per year.

(d) For the two York Shipley boilers, 1.68 MM Btu/hr each, the natural gas is limited to 12 million cubic feet per year, and the # 2 fuel oil is limited to 0.003 million gallons per year.

2. With the boiler plant upgrades (extensive facility renovation), the facility has an internal emission credit of 24.58 tons of NO_x for future use or credit. The facility is not subject to either New Source Review (NSR - 6 NYCRR 231-2) or Prevention of Significant Deterioration (PSD - 40 CFR 52-A.21).

3. The facility is subject to the provisions of Title V for sulfur dioxide and is subject to 6 NYCRR 225-1, fuel composition and use - sulfur limitations, which restricts the sulfur content of distillate fuel oil utilized throughout the facility to 0.20% by weight or less as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.

4. The facility is required to perform annual tune-up to the four Johnston boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, operating on natural gas (Process NG1) and No. 2 fuel oil (Process OL2). The owner or operator of a small boiler (between 20 and 50 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in Air Guide 33) containing the following information:

- (1) The date which the equipment was adjusted; and
- (2) The name, title, and affiliation of the person who adjusted the equipment.

5. Emission Points E0001, E0003 & E0004 are subject to the smoke emission for the 20% opacity limit as per 6 NYCRR 227-1.3(a).

6. The facility is required to conduct stack test for the Particulate emission limit of 0.10 pounds per million Btus for stationary combustion units firing oil, for the four Johnston Pftar boilers rated at 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004) in Emission Unit U-00001 and Process OL2, in accordance with the permit condition for 6 NYCRR 227.2(b)(1).

7. For the two ethylene oxide sterilization, abator operation is required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. The two ethylene oxide sterilizers (Emission Sources ES007 & ES008) are equipped with an abator (Emission Control ES009) which controls the EtO emission to a maximum of 0.0044 pounds per hour in Emission Point EP002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being reduced to 0.0044 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point EP002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere. An abator is required to the EtO sterilization since the EtO emission rate potential is >1.0 lb/hr as per 6 NYCRR 212.3(a).

8. As per 6 NYCRR 212.3(a), Jacobi Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator (AMSCO 50 CFM EtO DISPOSER (Abator)), which is identified as Emission Control ES009 in Emission Unit U-00002. The two ethylene oxide sterilizers will be operated as per the manufacturer's instruction.

9. As per 6 NYCRR 212.9(b), the EtO abator must be in operation whenever EtO sterilization is



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conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

- a. The date and the number of sterilization loads.
- b. The quantity of sterilization gas used in pounds per hour, per day and per year.
- c. The date and time of sterilizer and/or abator malfunctions and maintenance.
- d. Records are to be maintained on site for a period of five (5) years.

10. Emission Units U-00001 & U-00003 are subject to Part 60 - Standards of Performance for New Stationary Sources Subpart A - General Provisions for notification and recordkeeping, compliance with standards and maintenance requirements, availability of information, circumvention, monitoring requirements, modification, and reconstruction. Emission Units U-00001 & U-00003 are also subject to Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for 40 CFR 60-Dc.40c - Steam generators 10-100 million Btu per hour and 40 CFR 60-Dc.48c(a) for Reporting and Recordkeeping Requirements.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including four small boilers (<10 MM BTU/hr); two are in the Store House Building and the other two are in the Staff House Building, eight emergency power generators (<500 hours/yr), two distillate fuel oil storage tanks with storage capacities <300,000 bbls; one is in the Store House Building and the other one is in the Staff House Building, and one ventilating and exhaust system for laboratory operations.

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

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

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 3.1:

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

Item 3.2:

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

Item 3.3:



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

Condition 4: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 4.1:

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

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NYC HEALTH & HOSPITALS CORP
125 WORTH STREET
NEW YORK, NY 10013-4006

Facility: NYC-HH - JACOBI MEDICAL CTR
50 EASTCHESTER RD & PELHAM PKWY SOUTH
BRONX, NY 10461

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

Permit Effective Date: 11/07/2005

Permit Expiration Date: 11/06/2010



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(g): Non Applicable requirements
- *25 6NYCRR 201-7: Capping Monitoring Condition
- *26 6NYCRR 201-7: Capping Monitoring Condition
- *27 6NYCRR 201-7: Capping Monitoring Condition
- 28 6NYCRR 202-1.3: Acceptable procedures
- 29 6NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 30 6NYCRR 202-1.3: Alternate test methods
- 31 6NYCRR 225-1.8: Compliance Certification
- 32 6NYCRR 225.1(a)(3): Compliance Certification
- 33 6NYCRR 231-2.2: Facility netting out of the requirements of Subpart 231-2 for one or more nonattainment contaminants.
- 34 6NYCRR 231-2.7: Netting
- 35 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 36 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 37 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 38 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.



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- 39 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 40 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 41 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 42 40CFR 60.9, NSPS Subpart A: Availability of information.
- 43 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 44 40CFR 60.12, NSPS Subpart A: Circumvention.
- 45 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 46 40CFR 60.14, NSPS Subpart A: Modifications.
- 47 40CFR 60.15, NSPS Subpart A: Reconstruction
- 48 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification

Emission Unit Level

- 49 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 50 6NYCRR 201-6: Process Definition By Emission Unit
- 51 6NYCRR 201-7: Emission Unit Permissible Emissions
- 52 6NYCRR 201-7: Process Permissible Emissions

EU=U-00001

- 53 6NYCRR 227-2.4(d): Compliance Certification
- 54 6NYCRR 231-2.8: Compliance Certification
- 55 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 56 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 57 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
- 58 40CFR 60.42c(h), NSPS Subpart Dc: Compliance Certification
- 59 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification

EU=U-00001,Proc=OL2

- 60 6NYCRR 225-1.2(a)(2): Compliance Certification
- 61 6NYCRR 227.2(b)(1): Compliance Certification
- 62 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 63 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.

EU=U-00001,EP=E0001

- 64 40CFR 60.7(c), NSPS Subpart A: Excess Emissions Report
- 65 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report

EU=U-00001,EP=E0001,Proc=NG1

- *66 6NYCRR 201-7: Capping Monitoring Condition

EU=U-00001,EP=E0001,Proc=NG1,ES=ES001

- 67 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 68 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=NG1,ES=ES002

- 69 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40



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CFR 60 Subpart A

70 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=NG1,ES=ES003

71 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

72 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=NG1,ES=ES004

73 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

74 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=OL2

*75 6NYCRR 201-7: Capping Monitoring Condition

76 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification

77 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification

78 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification

79 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification

80 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification

81 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=E0001,Proc=OL2,ES=ES001

82 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

83 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=OL2,ES=ES002

84 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

85 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=OL2,ES=ES003

86 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

87 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00001,EP=E0001,Proc=OL2,ES=ES004

88 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

89 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this

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emission source

EU=U-00002,EP=EP002,Proc=ETO,ES=ES007

- 90 6NYCRR 212.2: Compliance Certification
- 91 6NYCRR 212.3(a): Compliance Certification
- 92 6NYCRR 212.9(b): Compliance Certification

EU=U-00002,EP=EP002,Proc=ETO,ES=ES008

- 93 6NYCRR 212.2: Compliance Certification
- 94 6NYCRR 212.3(a): Compliance Certification
- 95 6NYCRR 212.9(b): Compliance Certification

EU=U-00002,EP=EP002,Proc=ETO,ES=ES009

- 96 6NYCRR 212.2: Compliance Certification
- 97 6NYCRR 212.3(a): Compliance Certification
- 98 6NYCRR 212.9(b): Compliance Certification

EU=U-00003

- 99 6NYCRR 227-2.4(d): Compliance Certification
- 100 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 101 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 102 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification

EU=U-00003,EP=EP003,Proc=NG2

- 103 6NYCRR 227-1.3(a): Compliance Certification

EU=U-00003,EP=EP003,Proc=NG2,ES=S0010

- 104 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 105 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00003,EP=EP003,Proc=NG2,ES=S0011

- 106 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00003,EP=EP004,Proc=NG2

- 107 6NYCRR 227-1.3(a): Compliance Certification

EU=U-00003,EP=EP004,Proc=NG2,ES=S0010

- 108 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

EU=U-00003,EP=EP004,Proc=NG2,ES=S0011

- 109 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 110 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to



this emission source

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 111 ECL 19-0301: Contaminant List
- 112 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 113 6NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

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Act;

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

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

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

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

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

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

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

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

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



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

Item L: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

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



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

Condition 2: Fees

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 2.1:

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

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 3.1:

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

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

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

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

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 4.1:

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



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

Condition 5: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 6: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

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

Condition 8: Recordkeeping requirements



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Applicable Federal Requirement: 6NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

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

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage



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Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

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

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

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 14.1:

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



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Condition 15: Standard Requirement - Provide Information
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 15.1:

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

Condition 16: General Condition - Right to Inspect
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 16.1:

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

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

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

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

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

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 17.1:

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

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance,



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and dates when such activities, milestones or compliance were achieved; and

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

Condition 18: Off Permit Changes
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 18.1:

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

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:

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

Condition 20: Visible Emissions Limited
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 211.3



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Item 20.1:

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

Condition 21: Accidental release provisions.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 68

Item 21.1:

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

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

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

Condition 22: Recycling and Emissions Reduction

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:

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

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



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Condition 23: Emission Unit Definition
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of four Johnston boilers, 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004), operating on natural gas (Process NG1) and # 2 fuel oil (Process OL2). Three boilers are on at all times, and one boiler is on standby. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point E0001.

Building(s): NEW

Item 23.2:

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 will consist of two (2) new sterilizers (Emission Sources ES007 & ES008) equipped with an abator (Emission Control ES009), replacing one existing sterilizer (Emission Source S0006). The new sterilizers will be connected to a common stack, identified as Emission Point EP002 and will operate on Process ETO.

Building(s): STERILE

Item 23.3:

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

Emission Unit: U-00003

Emission Unit Description:

Emission Unit U-00003 consists of two (2) New York Shipley boilers, 10.46 MM Btu/hr each (Emission Sources ES010 & ES011), firing natural gas (Process NG2) only. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004, respectively. These boilers are located in the Ambulatory Building.

Building(s): AMB

Condition 24: Non Applicable requirements



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

Item 24.1:

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

6NYCRR 231-2

Reason: INTRODUCTION:

Jacobi Medical Center (JMC) located at 50 Pelham Parkway and East chester Road, NY is a Title V facility and operates four Union Iron Works boilers, each of capacity 27 MM Btu/hr and an ethylene oxide sterilizer system. In 2003, JMC de-rated these four boilers and installed four new Johnston boilers, of 30 MM Btu/hr capacity each. A State Facility Permit was issued on 10/23/2003 for the construction and operation of these new Johnston boilers.

Due to expansion, the hospital is shutting down the four Union Iron Works boilers and installing six small new boilers - two-10.46 MM Btu/hr natural gas firing York-Shipley boilers at the Ambulatory Building, two-4.47 MM Btu/hr , natural gas and # 2 oil firing Weil McLain boilers at the Store House; and two-1.68 MM Btu/hr, natural gas and # 2 oil firing York-Shipley boilers at the Staff House.

On November 29, 2004, the facility shut down the four de-rated 27 MM Btu/hr Union Iron Works boilers and six new boilers were installed. The other existing four 30 MM Btu/hr Johnston boilers will remain unchanged.

NEW SOURCE REVIEW (6 NYCRR 231-2) ANALYSIS:

The scheduled construction commencement date for the new boilers is November 29, 2004, and the scheduled operation commencement date is also November 29, 2004. Hence, the contemporaneous period for this project is January 1999 to December 2003. The de-rated four 27 MM Btu/hr Union Iron Works boilers will be shut down at the same time as the installation of the new boilers (November 29, 2004).



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Based on the fuel consumption for the proposed maximum actual and potential, the project emission potentials (PEP) for this project (six new boilers) for the non-attainment contaminants are as follows:

PEP for NO_x = 8.8 TPY

PEP for CO = 1.82 TOP

PEP for VOC = 0.42 TPY

Since the PEP for both NO_x and VOC > 0 (significant source project thresholds listed in 6 NYCRR 231-2.15), then Part 6 NYCRR 231-2.2(b) requires netting analysis to determine if the "net emission increase" is significant.

Part 231 requires netting analysis to determine if the "net emission increase" is significant. Net Emission Increase is the sum of the proposed increase from the project (six new boilers), and all emission increases (four Johnston boilers) and decreases (four Union Iron Works boilers) during the contemporaneous period.

Net emissions = PEP + contemporaneous increases - contemporaneous decreases =
= Future PTE - Past actual emissions + contemporaneous (increases - decreases)

NEI = PEP (six new boilers) + emission increase (four Johnston boilers) during the contemporaneous period + emission decrease (four Union Iron Works boilers) during contemporaneous period =

For NO_x, NEI = 8.8 + 24.9 - 59.28 = - 25.58 TPY

For VOC, NEI = 0.42 + 1.52 - 1.22 = 0.72 TPY

For CO, NEI = 1.82 + 25.8 - 5.39 = 22.23 TPY

Since the PEP < 100 for NO_x, VOC and CO, therefore; this project is not a significant source project and hence not subject to Part 231.

6NYCRR 231-2

Emission Unit: U00001

Reason: NYC-HH - Jacobi Medical Center operated four Union Iron Works boilers that fired

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No. 6 oil. These four boilers were shut down on November 29, 2004. Based on Part 231/Netting Analysis, out of 59.28 TPY of NO_x, about 25.9 TPY are internally offset to the four new Johnston boilers (firing natural gas and No. 2 oil), and about 8.8 TPY of NO_x are internal offset for the six new boilers, two of which are the new 10.46 MM Btu/hr each York Shipley boilers, and the other four of which are exempt (< 10 MM Btu/hr). The balance of 24.58 TPY of NO_x is available for future use/credit. The four exempt boilers are: two 4.47 MM Btu/hr each Weil-McLain the Store House, operating on both, natural gas and # 2 fuel oil, and the other two boilers are 1.68 MM Btu/hr each York Shipley at the Staff House, operating on both, natural gas and # 2 fuel oil.

CONTAMINANT EMISSION REDUCTION DATA:

CAS No.	Contaminant Name
ERC(lbs/yr)	
Netting Offset	

0NY210-00-0 Oxides of Nitrogen
34.7Internal

0NY998-00-0 VOC
1.933 Internal

000630-08-0 Carbon Monoxide
27.62Internal

PROPOSED PROJECT DESCRIPTION:

The facility replaced four Union Iron Works boilers with four Johnston boilers, four York Shipley boilers and two Weil-McLain boilers.

CONTAMINANT EMISSION INCREASE



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DATA:

CAS No. PEP(lbs/hr)	Contaminant Name
0NY210-00-0 69,400	Oxides of Nitrogen

40CFR 52-A.21

Reason: INTRODUCTION:

Jacobi Medical Center (JMC) located at 50 Pelham Parkway and East chester Road, NY is a Title V facility and operates four Union Iron Works boilers, each of capacity 27 MM Btu/hr and an ethylene oxide sterilizer system. In 2003, JMC de-rated these four boilers and installed four new Johnston boilers, of 30 MM Btu/hr capacity each. A State Facility Permit was issued on 10/23/2003 for the construction and operation of these new Johnston boilers.

Due to expansion, the hospital is shutting down the four Union Iron Works boilers and installing six small new boilers - two-10.46 MM Btu/hr natural gas firing York-Shipley boilers at the Ambulatory Building, two-4.47 MM Btu/hr , natural gas and # 2 oil firing Weil McLain boilers at the Store House; and two-1.68 MM Btu/hr, natural gas and # 2 oil firing York-Shipley boilers at the Staff House.

On November 29, 2004, the facility shut down the four de-rated 27 MM Btu/hr Union Iron Works boilers and six new boilers were installed. The other existing four 30 MM Btu/hr Johnston boilers will remain unchanged.

PSD Applicability Analysis:

Based on the fuel consumption for the proposed maximum actual and potential, the total actual projected NOx emission from all six boilers is 8.8 TPY, which is less than the allowable limit of 40 TPY. The net emissions increase from the PSD pollutants is below significance levels and hence the facility is not subject to PSD. The scheduled construction commencement date for the new boilers is November 29, 2004, and the scheduled operation commencement date is also November 29, 2004. Hence, the contemporaneous period for this project is January 1999 to

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December 2003. The de-rated four 27 MM Btu/hr Union Iron Works boilers will be shut down at the same time as the installation of the new boilers (November 29, 2004).

NETTING ANALYSIS for NO_x:

The proposed NO_x emissions increase from this project = projected maximum emissions from the new boilers = PTE for the new six boilers = 8.8 TPY

Past actual emissions from the four existing, de-rated four 27 MM Btu/hr Union Iron Works boilers to be shut down on November 29, 2004 = 59.28 TPY

Emissions increase from the four Johnston boilers installed during the contemporaneous period = 24.9 TPY

Net NO_x emissions = PEP + contemporaneous increases - contemporaneous decreases =
= Future PTE - Past actual emissions + contemporaneous (increases - decreases)

Hence, the net emissions increase (NEI) for NO_x = 8.8 + 24.9 - 59.28 = - 25.58 < 40 TPY, which is not a significant net emissions increase. Therefore, this project is NOT subject to PSD for NO_x.

NETTING ANALYSIS FOR SO₂:

The proposed SO₂ emissions increase from this project = projected maximum emissions from the new boilers = the PTE for the six new boilers = 1.53 TPY

Past actual emissions from the four de-rated four 27 MM Btu/hr Union Iron Works boilers to be shut down on November 29, 2004 = 47.38 TPY

Emissions increase from the four Johnston boilers installed during the contemporaneous period = 10.78 TPY

Net SO₂ emissions = PEP + contemporaneous increases - contemporaneous decreases =
= Future PTE - Past actual emissions + contemporaneous (increases - decreases)

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Hence, the net emissions increase for SO₂ = 1.53 + 10.78 - 47.38 = - 35.07 < 40 TPY, which is not a significant net emissions increase. Therefore, this project is NOT subject to PSD for SO₂.

**Condition 25: Capping Monitoring Condition
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 6NYCRR 201-7

Item 25.1:

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 25.2:

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

Item 25.3:

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 25.4:

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 25.5:

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 25.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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



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Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Natural gas for the two York-Shipley boilers, 10.46 MM
Btu/hr each, defined in Emission Unit U-00003 as Emission
Sources S0010 & S0011, is limited to 105 million cubic
feet per year.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 105 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 26: Capping Monitoring Condition
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 26.1:

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 26.2:

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

Item 26.3:

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 26.4:

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



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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 26.5:

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 26.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Natural gas for the four Johnston boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, is limited to 630.72 million cubic feet per year.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 630.72 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 27: Capping Monitoring Condition

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 27.1:

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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Item 27.2:

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

Item 27.3:

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 27.4:

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 27.5:

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 27.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Number 2 foil oil for the four Johnston boilers, 30 MM
Btu/hr each, defined in Emission Unit U-00001 as Emission
Sources ES001, ES002, ES003 & ES004, is limited to 1.49
million gallons per year.

Parameter Monitored: FUEL OIL #2

Upper Permit Limit: 1,490 thousand gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 28: Acceptable procedures
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 28.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 29: Acceptable procedures - Stack test report submittal
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 29.1:

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 30: Alternate test methods
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 30.1:

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.

Condition 31: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

a. fuel analyses and data on the quantities of all



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residual and distillate oil and coal received, burned or sold;

b. the names of all purchasers of all residual and distillate oil and coal sold;

c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 32: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



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Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
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 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Facility netting out of the requirements of Subpart 231-2 for one or more nonattainment contaminants. Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 231-2.2

Item 33.1:

The NYC -HH - Jacobi Medical Center is netting out of the requirements of Subpart 231-2 for the replacement of four Union Iron Works boilers with four Johnston boilers, four York Shipley boilers and two Weil-McLain boilers in Emission Units U-00001 & U-00002 for the following nonattainment contaminants: Oxides of Nitrogen, VOC, and Carbon Monoxide. The quantities, sources, and creation mechanisms for the emission reduction credits used in this netting exercise are listed below:

<u>Contaminant</u>	<u>Emission Unit #</u>	<u>Quantity</u>	<u>Creation Mechanism</u>
Oxides of Nitrogen	U-00001	34.7 tpy	Internal
VOC	U-00001	1.933 tpy	Internal
Carbon Monoxide	U-00001	27.62 tpy	Internal

The net emission increases for those contaminants listed above are:

NEI = PEP + CEI - ERC < SNEIT (enter threshold value)

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(for each nonattainment contaminant listed above, enter data for above equation in this space)

where:

- NEI = net emission increase
- PEP = project emission potential
- CEI = creditable emission increase
- ERC = emission reduction credit
- SNEIT = significant net emission increase threshold

Condition 34: Netting

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 231-2.7

Item 34.1:

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In the New York City metropolitan area, carbon monoxide is also a non-attainment contaminant. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Pursuant to section 231-2.7, existing major facilities may avoid the requirements of Subpart 231-2 by conducting a netting analysis. This is done by utilizing the following equation:

$$NEI = PEP + CEI - ERCs$$

where:

- NEI = net emission increase
- PEP = project emission potential for the proposed source project
- CEI = creditable emission increases
- ERCs = emission reduction credits

All of the creditable emission increases and emission reduction credits must have occurred at the facility for which the netting analysis is being conducted and must have occurred during the contemporaneous period for the proposed project. If the net emission increase is less than the threshold values incorporated into sections 231-2.12 and 231-2.13, then the the proposed source project is not subject to the requirements of Subpart 231-2.

Condition 35: EPA Region 2 address.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 35.1:

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

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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 36: Date of construction notification.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 36.1:

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

- 1) a notification of the date construction or reconstruction commenced, 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



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30 days prior to the performance test.

Condition 37: Recordkeeping requirements.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 37.1:

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

Condition 38: Facility files for subject sources.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 38.1:

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

Condition 39: Performance testing timeline.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 39.1:

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

Condition 40: Performance test methods.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 40.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 41: Prior notice.
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 41.1:

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

Condition 42: Availability of information.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 42.1:

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 43: Opacity standard compliance testing.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 43.1:

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

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

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

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

Condition 44: Circumvention.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 44.1:

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

Condition 45: Monitoring requirements.

Effective between the dates of 11/07/2005 and 11/06/2010

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Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 45.1:

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

Condition 46: Modifications.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 46.1:

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 47: Reconstruction

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 47.1:

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

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

Condition 48: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts distillate oil shall combust oil with a sulfur content in excess of 0.2 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is not applicable to this facility. This regulation is superseded (overruled) by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH - Jacobi Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: ASTM Method 4292

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 1/30/2006.

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

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



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

Condition 49: Emission Point Definition By Emission Unit
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 49.1:

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

Emission Unit: U-00001

Emission Point: E0001

Height (ft.): 146

Diameter (in.): 51

NYTMN (km.): 4522.9

NYTME (km.): 597.4

Building: NEW

Item 49.2:

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 68

Length (in.): 12

Width (in.): 12

NYTMN (km.): 4523.123

NYTME (km.): 597.433

Building: STERILE

Item 49.3:

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4522.9

NYTME (km.): 597.4

Building: AMB

Emission Point: EP004

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4522.9

NYTME (km.): 597.4

Building: AMB

Condition 50: Process Definition By Emission Unit
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 50.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



Emission Unit: U-00001

Process: NG1

Source Classification Code: 1-03-006-02

Process Description:

Process NG1 is when the four boilers (Emission Sources ES001, ES002, ES003 & ES004) in Emission Unit U-00001 fire natural gas. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point E0001.

Emission Source/Control: ES001 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES002 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES003 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES004 - Combustion

Design Capacity: 30 million Btu per hour

Item 50.2:

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

Emission Unit: U-00001

Process: OL2

Source Classification Code: 1-03-005-02

Process Description:

Process OL2 is when the four boilers (Emission Sources ES001, ES002, ES003 & ES004) in Emission Unit U-00001 fire No. 2 fuel oil. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point E0001.

Emission Source/Control: ES001 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES002 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES003 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: ES004 - Combustion

Design Capacity: 30 million Btu per hour

Item 50.3:



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

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

Emission Unit: U-00002

Process: ETO

Source Classification Code: 3-15-020-01

Process Description:

The facility is replacing one (1) existing sterilizer (Emission Source S0006) with two (2) new sterilizers (Emission Sources ES007 & ES008) and one (1) new abator (Emission Control ES009). The new sterilizers and abator unit will be installed at the new Sterile Supply Building with a new stack (Emission Point EP002).

Emission Source/Control: ES009 - Control

Control Type: CATALYTIC REDUCTION

Emission Source/Control: ES007 - Process

Design Capacity: 5 cubic feet

Emission Source/Control: ES008 - Process

Design Capacity: 5 cubic feet

Emission Source/Control: S0006 - Process Removal Date: 12/01/2005

Design Capacity: 24 cubic feet

Item 50.4:

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

Emission Unit: U-00003

Process: NG2

Source Classification Code: 1-03-006-02

Process Description:

Process NG2 is when the two 10.46 MM Btu/hr boilers each (Emission Sources ES010 & ES011) in Emission Unit U-0003 fire natural gas. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004, respectively. These boilers are located in the Ambulatory Building.

Emission Source/Control: S0010 - Combustion

Design Capacity: 10.46 million Btu per hour

Emission Source/Control: S0011 - Combustion

Design Capacity: 10.46 million Btu per hour

**Condition 51: Emission Unit Permissible Emissions
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 6NYCRR 201-7

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



Item 51.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 17 pounds per hour

29,800 pounds per year

Emission Unit: U-00003

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 210 pounds per hour

18,400 pounds per year

Condition 52: Process Permissible Emissions

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 52.1:

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

Emission Unit: U-00001 Process: NG1

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 4.2 pounds per hour

22,100 pounds per year

Emission Unit: U-00001 Process: OL2

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 17 pounds per hour

29,800 pounds per year

Emission Unit: U-00003 Process: NG2

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

PTE(s): 2.1 pounds per hour
18,400 pounds per year

Condition 53: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually to the four Johnston boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, operating on natural gas (Process NG1) and No. 2 fuel oil (Process OL2). The owner or operator of a small boiler (between 20 and 50 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in Air Guide 33) containing the following information:

- (1) The date which the equipment was adjusted;
- and
- (2) The name, title, and affiliation of the person who adjusted the equipment.

Annual tune-up maintenance usually includes not only some aspects of daily, weekly, and monthly scheduled maintenance, but also focuses on tests, evaluations and adjustments necessary for efficient combustion. Annual tune-up maintenance requirements must include a tune-up checklist (see Appendix A of Air Guide 33) and written procedures. According to Air Guide 33, the following is a summary list and description of the items/equipments to be cleaned/inspected/repared or have to be adjusted during the annual tune-ups:

- (a) Inspection and cleaning, as necessary, of



fireside and waterside surfaces.

(b) Inspecting, cleaning and/or reconditioning of fuel systems.

(c) Checking all electrical and combustion control systems.

(d) Testing of exhaust gases (carbon monoxide, carbon dioxide, etc.) as necessary to calculate combustion efficiency and make necessary adjustments to the combustion control systems.

(e) Inspection and repair of all valves (relief, safety, hydraulic, pneumatic, etc.)

(f) Inspection and repair of refractories.

(g) Cleaning and inspecting fan housing, blades, and inlet screens.

(h) Cleaning/reconditioning and inspecting the feedwater system.

Reference Test Method: AIR GUIDE 33
Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 231-2.8

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 54.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NYC-HH - Jacobi Medical Center operated four Union Iron Works boilers that fired # 6 oil. These four boilers were shut down on November 29, 2004. Based on Part 231/Netting Analysis, out of 59.28 TPY of NOx, about 25.9 TPY are internally offset to the four new Johnston boilers (firing natural gas and # 2 oil), and about 8.8 TPY of NOx are internal offset for the six new boilers, two of which are the new 10.46 MAM Btu/hr each York Shirley boilers, and the other four of which are exempt (< 10 MAM Btu/hr). The balance of 24.58 SPY of NOx is available for future use/credit. The four exempt boilers are: two 4.47 MAM BTu/hr each at the Store House, operating on both, natural gas and # 2 fuel oil, and the other two boilers are 1.68 MAM Btu/hr each York Shirley at the Staff House, operating on both, natural gas and # 2 fuel oil.

CONTAMINANT EMISSION REDUCTION DATA:

CAS No. Contaminant ERC Netting

Name (TPY) Offset

0NY210-00-0 NOx 34.7 Internal

0NY998-00-0 VOC 1.933 Internal

000630-08-0 CO 27.62 Internal

PROPOSED PROJECT DESCRIPTION:

The facility replaced four Union Iron

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



Works boilers with four Johnston boilers,
four York Shipley boilers and two
Weil-McLain boilers.

**CONTAMINANT EMISSION INCREASE
DATA:**

CAS No. PEP (TPY)	Contaminant Name
0NY210-00-0 34.7	Oxides of Nitrogen

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 55: EPA Region 2 address.
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 55.1:

This Condition applies to Emission Unit: U-00001

Item 55.2:

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 56: Date of construction notification.
Effective between the dates of 11/07/2005 and 11/06/2010**

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



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

Item 56.1:

This Condition applies to Emission Unit: U-00001

Item 56.2:

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

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

Condition 57: Monitoring frequency waiver.

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 57.1:

This Condition applies to Emission Unit: U-00001

Item 57.2: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Condition 58: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.42c(h), NSPS Subpart Dc

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h). 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 60.48c(f)(1), (2) and (3) as applicable.

40 CFR 60-Dc.42c(h), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH Jacobi Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 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)



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 59: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of 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 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

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



Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: OL2

Item 60.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate oil in New York City which contains sulfur in a quantity exceeding 0.20% by weight. Records of the sulfur content of each delivery must be maintained at the facility for a period of at least five years. These records must be available to the Department upon request during normal business hours.

For emission units subject to Title V, summaries of these records must be included in the semiannual reports and annual compliance certifications.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 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 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: OL2



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 62: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: OL2

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts distillate oil shall combust oil with a sulfur content in excess of 0.2 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is not applicable to this facility. This regulation is superseded (overruled) by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH - Jacobi Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 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 1/30/2006.

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

Condition 63: Enforceability.

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.42c(i), NSPS Subpart Dc

Item 63.1:

This Condition applies to Emission Unit: U-00001



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Process: OL2

Item 63.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 64: Excess Emissions Report
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 64.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001

Item 64.2:

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

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

Condition 65: Excess Emissions Report
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 65.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001

Item 65.2:

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 66: Capping Monitoring Condition
Effective between the dates of 11/07/2005 and 11/06/2010



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Applicable Federal Requirement: 6NYCRR 201-7

Item 66.1:

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 66.2:

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

Item 66.3:

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 66.4:

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 66.5:

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 66.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: NG1

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

Item 66.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Natural gas for the four Johnston boilers, 30 MM Btu/hr



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each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, is limited to 630.72 million cubic feet per year.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 12 calendar month(s).

**Condition 67: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 67.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES001

Item 67.2:

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 68: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 68.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES001

Item 68.2:

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

**Condition 69: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 69.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES002



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Item 69.2:

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 70: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 70.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES002

Item 70.2:

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

**Condition 71: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 71.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES003

Item 71.2:

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 72: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 72.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES003

Item 72.2:

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

**Condition 73: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**



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Facility DEC ID: 2600500011

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 73.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES004

Item 73.2:

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 74: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 74.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: NG1 Emission Source: ES004

Item 74.2:

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

**Condition 75: Capping Monitoring Condition
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 6NYCRR 201-7

Item 75.1:

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 75.2:

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

Item 75.3:

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

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Item 75.4:

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 75.5:

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 75.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

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

Item 75.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Number 2 oil for the four Johnston boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, is limited to 1.49 million gallons per year.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 76.1:

The Compliance Certification activity will be performed for:



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Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The affected facility to which this Subpart applies is each steam generating unit for which construction, modification or reconstruction commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million Btu/hr or less, but greater than or equal to 10 million Btu/hr. Steam generating units which meet the applicability requirements above are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (Subparts 60.42c, 60.43c, 60.44c, 60.45c, 60.46c., or 60.47c) during periods of combustion research, as defined in Subpart 60.14. Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 77: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

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



New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Item 77.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph of Subpart 60.46c(a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

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

40 CFR 60-Dc.40c, NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH Jacobi Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2(a)(2) which has more stringent limit for New York City than 40 CFR 60-Dc.40c, NSPS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: PER DELIVERY

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 78: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc



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Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

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

Item 78.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility 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: 20.0 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

Regulated Contaminant(s):



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Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph of Subpart 60.46c(a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

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

40 CFR 60-Dc.46c(d)(2), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH Jacobi Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Dc.46c(d)(2), NSPS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 80: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

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Applicable Federal Requirement: 40CFR 60.47c, NSPS Subpart Dc

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: OL2

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

Item 80.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an affected facility that combusts oil and has heat input capacity greater than 30 mmbtu/hr shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity averaging over 6-minutes, except for one 6-minute period per hour of not more than 27% opacity.

Facilities combusting oil subject to section 40 CFR 60-Dc.43c shall install, calibrate, maintain, and operate CEMs for opacity. All CEMs shall be operated in accordance with appendix B of part 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: 40 CFR 60 APPENDIX B
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc



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**Condition 83: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 83.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES001

Item 83.2:

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

**Condition 84: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 84.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES002

Item 84.2:

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 85: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 85.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES002

Item 85.2:

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

**Condition 86: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 86.1:



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This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES003

Item 86.2:

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 87: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 87.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES003

Item 87.2:

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

**Condition 88: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 88.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES004

Item 88.2:

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

**Condition 89: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 89.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: OL2 Emission Source: ES004

Item 89.2:

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

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Condition 90: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.2

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES007

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 90.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during
sterilization. The EtO abator must be in operation
whenever EtO sterilization is conducted.

EtO sterilizers will be operated once per day, five days
per week and 52 weeks per year. The ethylene oxide
sterilizers will be operated as per the manufacturer's
instruction.

Manufacturer Name/Model Number: AMSCO 50 CFM ETO DISPOSER (Abator)

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 99 percent reduction by weight

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 91: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.3(a)



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Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES007

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 91.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. The ethylene oxide sterilizers will be operated as per the manufacturer's instruction. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Jacobi Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by installing an abator (AMSCO 50 CFM EtO DISPOSER), which is identified as Emission Control ES009 in Emission Unit U-00002.

The ethylene oxide sterilizer (Emission Source ES007) is equipped with an abator (Emission Control ES009) which controls the EtO emission to a maximum of 0.0044 pounds per hour in Emission Point EP002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being reduced to 0.0044 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point EP002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

Manufacturer Name/Model Number: AMSCO EAGLE 3017
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.0044 pounds per hour



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Permit ID: 2-6005-00011/00004

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Reference Test Method: PART 60, METHOD 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES007

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.
2. The quantity of sterilization gas used in pounds per hour, per day and per year.
3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: AMSCO 50 CFM EtO DISPOSER (Abator)

Reference Test Method: KEEP RECORDS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.2

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES008

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during
sterilization. The EtO abator must be in operation
whenever EtO sterilization is conducted.

EtO sterilizers will be operated once per day, five days
per week and 52 weeks per year. The ethylene oxide
sterilizers will be operated as per the manufacturer's
instruction.

Manufacturer Name/Model Number: AMSCO 50 CFM ETO DISPOSER (Abator)

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 99 percent reduction by weight

Reference Test Method: APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 94: Compliance Certification



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Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.3(a)

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES008

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 94.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. The ethylene oxide sterilizers will be operated as per the manufacturer's instruction. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Jacobi Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by installing an abator (AMSCO 50 CFM EtO DISPOSER), which is identified as Emission Control ES009 in Emission Unit U-00002.

The ethylene oxide sterilizer (Emission Source ES008) is equipped with an abator (Emission Control ES009) which controls the EtO emission to a maximum of 0.0044 pounds per hour in Emission Point EP002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being reduced to 0.0044 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point EP002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.



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Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Manufacturer Name/Model Number: AMSCO EAGLE 3017
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.0044 pounds per hour
Reference Test Method: PART 60, METHOD 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES008

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.
2. The quantity of sterilization gas used in pounds per hour, per day and per year.
3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.



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Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011

Manufacturer Name/Model Number: AMSCO 50 CFM EtO DISPOSER (Abator)
Reference Test Method: KEEP RECORDS
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.2

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES009

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 96.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted.

EtO sterilizers will be operated once per day, five days per week and 52 weeks per year. The ethylene oxide sterilizers will be operated as per the manufacturer's instruction.

Manufacturer Name/Model Number: AMSCO 50 CFM ETO DISPOSER (Abator)
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 99 percent reduction by weight
Reference Test Method: APPROVED METHOD
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.



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The initial report is due 1/30/2006.

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

Condition 97: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.3(a)

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES009

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EtO sterilization - abator operation is required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. The ethylene oxide sterilizers will be operated as per the manufacturer's instruction. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Jacobi Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by installing an abator (AMSCO 50 CFM EtO DISPOSER), which is identified as Emission Control ES009 in Emission Unit U-00002.

The two ethylene oxide sterilizers (Emission Sources ES007 & ES008) are equipped with an abator (Emission Control ES009) which controls the EtO emission to a maximum of 0.0044 pounds per hour in Emission Point EP002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being



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reduced to 0.0044 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point EP002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

Manufacturer Name/Model Number: AMSCO EAGLE 3017
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.0044 pounds per hour
Reference Test Method: PART 60, METHOD 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
Process: ETO Emission Source: ES009

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.
2. The quantity of sterilization gas used in pounds per hour, per day and per year.



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3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: AMSCO 50 CFM EtO DISPOSER (Abator)

Reference Test Method: KEEP RECORDS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 99: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually to the two New York Shipley boilers, 10.46 MM Btu/hr each (Emission Sources ES010 & ES011), firing natural gas (Process NG2) only in Emission Unit U-00003. The owner or operator of a small boiler (between 20 and 50 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in Air Guide 33) containing the following information:

- (1) The date which the equipment was adjusted;
- and
- (2) The name, title, and affiliation of the person who adjusted the equipment.

Annual tune-up maintenance usually includes not only some aspects of daily, weekly, and monthly scheduled

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maintenance, but also focuses on tests, evaluations and adjustments necessary for efficient combustion. Annual tune-up maintenance requirements must include a tune-up checklist (see Appendix A of Air Guide 33) and written procedures. According to Air Guide 33, the following is a summary list and description of the items/equipments to be cleaned/inspected/repared or have to be adjusted during the annual tune-ups:

- (a) Inspection and cleaning, as necessary, of fireside and waterside surfaces.
- (b) Inspecting, cleaning and/or reconditioning of fuel systems.
- (c) Checking all electrical and combustion control systems.
- (d) Testing of exhaust gases (carbon monoxide, carbon dioxide, etc.) as necessary to calculate combustion efficiency and make necessary adjustments to the combustion control systems.
- (e) Inspection and repair of all valves (relief, safety, hydraulic, pneumatic, etc.)
- (f) Inspection and repair of refractories.
- (g) Cleaning and inspecting fan housing, blades, and inlet screens.
- (h) Cleaning/reconditioning and inspecting the feedwater system.

Reference Test Method: AIR GUIDE 33
Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 100: EPA Region 2 address.
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A



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Item 100.1:

This Condition applies to Emission Unit: U-00003

Item 100.2:

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 101: Date of construction notification.

Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 101.1:

This Condition applies to Emission Unit: U-00003

Item 101.2:

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;



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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 102: Compliance Certification

Effective between the dates of 11/07/2005 and 11/06/2010

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of 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 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE



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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 105: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 105.1:

This Condition applies to Emission Unit: U-00003 Emission Point: EP003
Process: NG2 Emission Source: S0010

Item 105.2:

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

Condition 106: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 106.1:

This Condition applies to Emission Unit: U-00003 Emission Point: EP003
Process: NG2 Emission Source: S0011

Item 106.2:

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

Condition 107: Compliance Certification
Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: EP004
Process: NG2

Item 107.2:

Compliance Certification shall include the following monitoring:

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



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Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to 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 in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 108: Applicability of this Subpart to this emission source
Effective between the dates of 11/07/2005 and 11/06/2010**

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

Item 108.1:

This Condition applies to Emission Unit: U-00003 Emission Point: EP004
Process: NG2 Emission Source: S0010

Item 108.2:

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

**Condition 109: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 11/07/2005 and 11/06/2010**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 109.1:

This Condition applies to Emission Unit: U-00003 Emission Point: EP004
Process: NG2 Emission Source: S0011

Item 109.2:

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 110: Applicability of this Subpart to this emission source



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Effective between the dates of 11/07/2005 and 11/06/2010

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

Item 110.1:

This Condition applies to Emission Unit: U-00003 Emission Point: EP004
Process: NG2 Emission Source: S0011

Item 110.2:

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 111: Contaminant List
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable State Requirement: ECL 19-0301

Item 111.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 112: Unavoidable noncompliance and violations
Effective between the dates of 11/07/2005 and 11/06/2010

Applicable State Requirement: 6NYCRR 201-1.4

Item 112.1:

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

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

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



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

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

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

Condition 113: Air pollution prohibited
Effective between the dates of 11/07/2005 and 11/06/2010

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.