

New York State Department of Environmental Conservation
Facility DEC ID: 2600500133



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6005-00133/00002
Mod 0 Effective Date: 01/26/2005 Expiration Date: 01/25/2010
Mod 1 Effective Date: 06/29/2005 Expiration Date: 01/25/2010

Permit Issued To: YESHIVA UNIVERSITY
1300 MORRIS PARK AVE
BRONX, NY 10461-1062

Contact: PETER C PESSONI
ALBERT EINSTEIN COLLEGE OF MEDICINE
1300 MORRIS PARK AVE
BRONX, NY 10461-1062
(718) 430-2808

Facility: ALBERT EINSTEIN COLLEGE OF MEDICINE
1300 MORRIS PARK AVE
BRONX, NY 10461

Description:

PERMIT DESCRIPTION
Albert Einstein College of Medicine
DEC ID # 2-6005-00133/00002 (Ren 1, Mod 1)

The Albert Einstein College of Medicine (AECOM) of Yeshiva University located at 1300 Morris Park Avenue, Bronx, NY is a Title V facility. The facility was issued a Title V permit renewal on 1/26/2005. This application has been submitted for modifying the renewal of the Title V permit, to reflect revised boilers replacement time line; mainly the removal dates for Emission Sources 0001C, 0001D, 00030, 00040 & 00050 (two 27 MM Btu/hr each Keeler and three 22 MM Btu/hr each Kewanee boilers), and both of the construction and operation dates for Emission Sources 0094A & 0094B (94 MM Btu/hr each Babcock & Wilcox boilers). The facility is a medical university which owns and operates two Keeler boilers rated at 27 MM Btu/hr each, and three Kewanee boilers rated at 22 MM Btu/hr each that will be removed by 9/30/2005 (instead of 09/30/2004), two existing Keeler boilers rated at 91 MM Btu/hr each, and two new Babcock & Wilcox boilers rated at 94 MM Btu/hr that will begin operating on 12/1/2006 (instead of 05/01/2005). All of the boilers are dual-fuel fired, # 6 fuel oil (Process OIL) and natural gas (Process GAS). The facility owns and operates several emission sources at the main campus that include four boilers, eleven exempt boilers (2 boilers rated at 8.4 MM Btu/hr each, two boilers rated at 4.1 MM Btu/hr each, and seven 0.326 MM Btu/hr each), seven emergency generators, few fume hoods and ten fuel oil storage tanks. The seven 0.326 MM Btu/hr each boilers are at a health center (gymnasium) that the facility owns and operates, and they fire natural gas. These seven exempt boilers were included in the



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Title V permit renewal.

The modification involves revising the dates of boiler replacement project. Mainly, the dates of both the construction and the operation of the two new boilers (Emission Sources 0094A & 0094B), and the date of removal of the five old boilers (Emission Sources 0001C, 0001D, 00030, 00040 & 00050). The following will be revised:

1. The construction date for the two new 94 MM Btu/hr each Babcock & Wilcox boilers (Emission Sources 0094A & 0094B) from 10/1/2004 to 10/1/2005, and the operation date from 5/1/2005 to 12/1/2006.
2. The removal date for the three 22 MM Btu/hr Kewanee boilers (Emission Sources 00030, 00040 & 00050) from 9/30/2004 to 9/30/2005.
3. The removal date for the two 27 MM Btu/hr each Keeler boilers (Emission Sources 0001C & 0001D) from 9/30/2004 to 9/30/2005.

No other changes to the emission sources, emission limits, fuel consumptions or operating scenarios occurred other than the change in time line.

The facility is planning to shut down and remove five boilers and install two new boilers. The five boilers that will be removed by 9/30/2005 (instead of 09/30/2004) are two 27 MM Btu/hr each Keeler (at the Main Building), and three 22 MM Btu/hr each Kewanee (at the Low Housing Building) boilers. These five boilers are identified in the permit as Emission Sources 0001C, 0001D, 00030, 00040 & 00050. The two new boilers that will be installed by 10/1/2005 (instead of 1/1/2005) are rated at 94 MM Btu/hr each, and are identified in the permit as Emission Sources 0094A & 0094B.

The two new boilers that will be installed by 12/1/2006 (instead of 05/1/2005) are two 94 MM Btu/hr each Babcock & Wilcox. These two new boilers are identified in the permit as Emission Sources 0094A & 0094B. Therefore, the two new 94 MM Btu/hr each Babcock & Wilcox will replace the five existing boilers (2-27 MM Btu/hr each Keeler & 3-22 MM Btu/hr each Kewanee). The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr new Babcock & Wilcox boilers (new in the Main Building), operating on both natural gas & # 6 fuel oil - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in the Main Building), operating on both natural gas & # 6 fuel oil - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing in the Rousso Building) one boiler operating on natural gas and the other boiler operating on # 2 fuel oil, exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing in the Rhinelander Building), operating on # 6 fuel oil, exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center), operating on natural gas, exempt from permitting

Please note that the three 22 MM Btu/hr each Kewanee boilers exist at the Low Housing Building at DEC ID # 2-6005-00376, which is located at 1925-1935 Eastchester Road (which is at the corner of Eastchester Road and Morris Park Avenue), and are owned by Albert Einstein College of Medicine. The



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facility is applying the emission credits from these five boilers that will be removed towards the installation of the two new 94 MM Btu/hr each Babcock & Wilcox boilers.

The facility will limit the overall fuel consumption to 5.9 MM GPY of # 6 fuel oil, 20.5 MM CFY of natural gas, and 33,000 GPY of # 2 fuel oil. Since this is not a source project, the modification to the facility is not subject to NSR/231 analysis. And since the net emissions increase of NOx and SO2 are each below the allowable limits of 40 tons per year, the modification to the facility is not subject to PSD (40 CFR 52-A.21) applicability either.

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

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 2
HEADQUARTERS

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 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:



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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 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:

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 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

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.

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

Item 4.1:



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

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

Condition 4: Permit Modifications, Suspensions, 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. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

****** 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

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

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Item 5.1:

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

NYSDEC Regional Permit Administrator
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1 Hunters Point Plaza, 4740 21st Street
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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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1300 MORRIS PARK AVE
BRONX, NY 10461-1062

Facility: ALBERT EINSTEIN COLLEGE OF MEDICINE
1300 MORRIS PARK AVE
BRONX, NY 10461

Authorized Activity By Standard Industrial Classification Code:
6512 - NONRESIDENTIAL BUILDING OPERATORS
8221 - COLLEGES AND UNIVERSITIES, NEC



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 201-6.5(a)(7): Fees
- 2 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 3 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 4 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 5 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 1-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-4 6NYCRR 200.7: Maintenance of Equipment
- 1-5 6NYCRR 201-1.7: Recycling and Salvage
- 1-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-8 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1-7 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 1-13 6NYCRR 202-1.1: Required Emissions Tests
- 1-14 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 201-6: Emission Unit Definition
- 1-15 6NYCRR 201-6.5(g): Non Applicable requirements
- 9 6NYCRR 225-1.2(a)(2): Compliance Certification
- 10 6NYCRR 225-1.2(a)(2): Compliance Certification
- 11 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 12 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used
- 13 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 14 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 15 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 16 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 17 40CFR 60.9, NSPS Subpart A: Availability of information.
- 18 40CFR 60.14, NSPS Subpart A: Modifications.
- 19 40CFR 60.15, NSPS Subpart A: Reconstruction

Emission Unit Level

- 22 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 23 6NYCRR 201-6: Process Definition By Emission Unit

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EU=U-00001,Proc=OIL,ES=0094A

- 24 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 25 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.
- 26 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Certification

EU=U-00001,Proc=OIL,ES=0094B

- 27 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 28 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.
- 29 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=00001

- 30 6NYCRR 227-1.3(a): Compliance Certification
- 31 6NYCRR 227.2(b)(1): Compliance Certification

EU=U-00001,EP=00001,Proc=GAS,ES=0091A

- 32 6NYCRR 227-2.4(c): Compliance Certification
- 33 6NYCRR 227-2.6(a)(4): Compliance Certification
- 34 6NYCRR 227-2.6(b): Compliance Certification
- 35 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=GAS,ES=0091B

- 36 6NYCRR 227-2.4(c): Compliance Certification
- 37 6NYCRR 227-2.6(a)(4): Compliance Certification
- 38 6NYCRR 227-2.6(b): Compliance Certification
- 39 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=GAS,ES=0094A

- 40 6NYCRR 227-2.4(c): Compliance Certification
- 41 6NYCRR 227-2.6(a)(4): Compliance Certification
- 42 6NYCRR 227-2.6(b): Compliance Certification
- 43 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=GAS,ES=0094B

- 44 6NYCRR 227-2.4(c): Compliance Certification
- 45 6NYCRR 227-2.6(a)(4): Compliance Certification
- 46 6NYCRR 227-2.6(b): Compliance Certification
- 47 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=OIL,ES=0091A

- 48 6NYCRR 227-2.4(c): Compliance Certification
- 49 6NYCRR 227-2.6(a)(4): Compliance Certification
- 50 6NYCRR 227-2.6(b): Compliance Certification
- 51 6NYCRR 227-2.6(c): Compliance Certification

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EU=U-00001,EP=00001,Proc=OIL,ES=0091B

- 52 6NYCRR 227-2.4(c): Compliance Certification
- 53 6NYCRR 227-2.6(a)(4): Compliance Certification
- 54 6NYCRR 227-2.6(b): Compliance Certification
- 55 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=00001,Proc=OIL,ES=0094A

- 56 6NYCRR 227-2.4(c): Compliance Certification
- 57 6NYCRR 227-2.6(a)(4): Compliance Certification
- 58 6NYCRR 227-2.6(b): Compliance Certification
- 59 6NYCRR 227-2.6(c): Compliance Certification
- 60 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 61 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 62 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 63 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 64 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 65 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
- 66 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 67 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=00001,Proc=OIL,ES=0094B

- 68 6NYCRR 227-2.4(c): Compliance Certification
- 69 6NYCRR 227-2.6(a)(4): Compliance Certification
- 70 6NYCRR 227-2.6(b): Compliance Certification
- 71 6NYCRR 227-2.6(c): Compliance Certification
- 72 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 73 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 74 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 75 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 76 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 77 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
- 78 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 79 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 80 ECL 19-0301: Contaminant List
- 81 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- *82 6NYCRR 201-7: Capping Monitoring Condition
- *83 6NYCRR 201-7: Capping Monitoring Condition
- *84 6NYCRR 201-7: Capping Monitoring Condition
- *85 6NYCRR 201-7: Capping Monitoring Condition
- *86 6NYCRR 201-7: Capping Monitoring Condition
- 87 6NYCRR 211.2: Air pollution prohibited

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NOTE: * preceding the condition number indicates capping.
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FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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



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order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

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Act;

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

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

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

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

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

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

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

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

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



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

Item L: Permit Exclusion - ECL 19-0305

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

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

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

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

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

Condition 1-1: Acceptable Ambient Air Quality
Effective between the dates of 06/29/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 200.6

Item 1-1.1:

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 1-2: Fees

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-2.1:

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 2: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 2.1:

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 3: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 3.1:

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 4: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

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:

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

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following:

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

USEPA Region 2



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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 7/30/2005.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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
Effective between the dates of 01/26/2005 and 01/25/2010



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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 1-3: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 06/29/2005 and 01/25/2010**

Applicable Federal Requirement: 6NYCRR 215

Item 1-3.1:

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 1-4: Maintenance of Equipment
Effective between the dates of 06/29/2005 and 01/25/2010**

Applicable Federal Requirement: 6NYCRR 200.7

Item 1-4.1:

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 1-5: Recycling and Salvage
Effective between the dates of 06/29/2005 and 01/25/2010**



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Applicable Federal Requirement: 6NYCRR 201-1.7

Item 1-5.1:

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 1-6: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 06/29/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 1-6.1:

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 1-8: Exempt Sources - Proof of Eligibility

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-8.1:

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 1-7: Trivial Sources - Proof of Eligibility

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-7.1:

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

Condition 1-9: Standard Requirement - Provide Information

Effective between the dates of 06/29/2005 and 01/25/2010



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

Item 1-9.1:

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 1-10: General Condition - Right to Inspect

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-10.1:

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 1-11: Standard Requirements - Progress Reports

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-11.1:

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

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



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(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 1-12: Off Permit Changes

Effective between the dates of 06/29/2005 and 01/25/2010

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

Item 1-12.1:

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 1-13: Required Emissions Tests

Effective between the dates of 06/29/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 1-13.1:

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 1-14: Visible Emissions Limited

Effective between the dates of 06/29/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 211.3

Item 1-14.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning



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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 20: Accidental release provisions.
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 68

Item 20.1:

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

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

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 21.1:

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

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

Condition 1: Emission Unit Definition
Effective between the dates of 01/26/2005 and 01/25/2010



Applicable Federal Requirement: 6NYCRR 201-6

Item 1.1(From Mod 1):

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of four boilers. All four boilers are dual-fuel fired, # 6 fuel oil (Process OIL) and natural gas (Process GAS). Two of the four boilers (Emission Sources 0094A & 0094B) are new and are Babcock & Wilcox boilers and are rated at 94 MM Btu/hr each. The other two boilers (Emission Sources 0091A & 0091B) are existing Keeler boilers and are rated at 91 MM Btu/hr each. The emissions from all four boilers vent from one common stack, connected to the existing boilers, defined as Emission Point 00001. During the installation of the two new boilers (the two 94 MM Btu/hr Babcock & Wilcox boilers), a temporary stack will be installed (Emission Point TEMP1). This temporary stack will be removed once the project is complete.

Emission Points 00001 & TEMP1, Processes OIL & GAS, and Emission Sources 0091A, 0091B, 0094A & 0094B are associated with Emission Unit U-00001.

Building(s): 1

**Condition 1-15: Non Applicable requirements
Effective between the dates of 06/29/2005 and 01/25/2010**

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

Item 1-15.1:

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.

(From Mod 1) 6NYCRR 231-2

Reason: INTRODUCTION:

Albert Einstein College of Medicine (AECOM) located at 1300 Morris Park Avenue, Bronx, NY, operates several air pollution sources, which include four boilers (two are 91 MM Btu/hr each and two are 94 MM Btu/hr each burning number 6 fuel oil and natural gas) at the Main campus, three Low Housing boilers (22 MM Btu/hr each burning number 6 fuel oil and natural gas), seven exempt boilers

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(burning natural gas) at the Falk Health Center (Gym), four exempt boilers (two are 4.1 MM Btu/hr each and two are 8.4 MM Btu/hr each), five emergency generators, fume hoods and storage tanks.

In an effort to modernize the boiler plant, the facility proposes to shut down five existing boilers (2 from the Main campus, 3 from the Low Housing), and install two state-of-the-art, modern and efficient new boilers, each rated at 94 MM Btu/hr (Emission Sources 0094A & 0094B). These two boilers will be capable of firing number 6 fuel oil and natural gas.

Since all of the existing and the new boilers will have fuel meters, the facility's significant emissions increase can be netted out using the reductions occurring from the shutdown of the five boilers. These five boilers are: two 27 MM Btu/hr each Keeler, and three 22 MM Btu/hr each Kewanee boilers, and are identified in the permit as Emission Sources 0001C, 0001D, 00030, 00040 & 00050.

BOILER REPLACEMENT PROJECT DESCRIPTION:

The two 94 MM Btu/hr (each) boilers will replace five existing boilers, two 27 MM Btu/hr each Keeler boilers (Emission Sources 0001C & 0001D), and three 22 MM Btu/hr each Kewanee boilers (Emission Sources 00030, 00040 & 00050). The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr new Babcock & Wilcox boilers (new at the Main), operating on both natural gas & # 6 fuel oil - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing at the Main), operating on both natural gas & # 6 fuel oil - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at Rousso) one boiler operating on natural gas and the other boiler operating on # 2 fuel oil
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at Rhineland), operating on # 6 fuel oil
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center), operating on natural gas.

NEW SOURCE REVIEW ANALYSIS (6 NYCRR 231):

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The scheduled construction commencement date for the two new 94 MM Btu/hr each Babcock & Wilcox, which are identified in the permit as Emission Sources 0094A & 0094B, is September 1, 2005, and the scheduled operation commencement date is December 1, 2006. Hence the contemporaneous period for this project is January 1, 1999 to December 31, 2003. The five boilers scheduled for removal will be removed from service prior to the installation of the two new 94 MM Btu/hr each Babcock & Wilcox boilers.

Since this source is located in a severe ozone non-attainment area, the only non-attainment contaminants to be reviewed for 6 NYCRR 231 are NO_x and VOC. The existing facility's Maximum Annual Potential (MAP) emissions are 511.99 TPY for NO_x and 51.2 TPY for VOC. Since the potential modified future facility will be limited to existing potential, the MAP for these contaminants will remain the same after the modification. Therefore, pursuant to 6 NYCRR 231-2.1(b)(40)(ii), since there is NO increase in MAP for any contaminant, the proposed boiler replacement project is NOT a Source Project and hence NOT subject to New Source Review for either NO_x or VOC.

40CFR 52-A.21

Reason: PSD APPLICABILITY ANALYSIS:

For this project (facility modification), the facility proposes to cap the incremental emissions for the future modified facility (2 new boilers and 13 existing boilers), in conjunction with the 2003 fuel consumption, to 37.08 TPY NO_x and 39.8 TPY SO₂. In other words, the fuel consumption for the entire modified facility will be limited to 5.91 million GPY of # 6 fuel oil, 20.5 million CFY of natural gas, and 33,000 GPY of # 2 fuel oil. In the event of decreasing the consumption of the fuel oil and increasing the consumption of the natural gas, or vice-versa, the total emissions of NO_x and SO₂ shall NOT exceed 37.08 TPY and 39.8 TPY, respectively. This will be documented through the fuel consumption and reflected through the annual Emissions Statement.

From the PSD applicability analysis, most PSD pollutants such as PM-10 emit below significant levels and hence are not subject to PSD. The only PSD pollutants that have a



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significant emission increase are NO_x (37.08 TPY) and SO₂ (39.8 TPY). Since all of the existing and the new boilers will have fuel meters, the facility's significant emissions increase can be netted out using the reductions occurring from the shutdown of the five boilers. These five boilers are: two 27 MM Btu/hr each Keeler, and three 22 MM Btu/hr each Kewanee boilers, and are identified in the permit as Emission Sources 0001C, 0001D, 00030, 00040 & 00050. Pursuant to 40 CFR 52.21(b)(3), the determination of the "Net Emissions Increase" (netting analysis) for NO_x and SO₂ is provided below.

The scheduled construction commencement date for the two new 94 MM Btu/hr each Babcock & Wilcox, which are identified in the permit as Emission Sources 0094A & 0094B, is September 1, 2005, and the scheduled operation commencement date is December 1, 2006. Hence the contemporaneous period for this project is January 1, 1999 to December 31, 2003. The five boilers scheduled for removal will be removed from service prior to the installation of the two new 94 MM Btu/hr each Babcock & Wilcox boilers.

NETTING ANALYSIS FOR NO_x:

The proposed emissions from the modified project = PTE of the future 15 facility's boilers = 134.99 TPY

The past actual emissions from the facility's 18 boilers = 97.9 TPY

There are no other contemporaneous increases for this project, hence

Net NO_x emissions = PEP + contemporaneous increases - contemporaneous decreases = = Future PTE - Past actual emissions + contemporaneous (increases - decreases) = = 134.99 - 97.9 = 37.08 < 40 TPY, and hence, not a significant net emissions increase.

Therefore, this project is NOT subject to PSD for NO_x.

NETTING ANALYSIS FOR SO₂:

The proposed emissions from the modified project = PTE of



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the future 15 facility's boilers = 139.66 TPY

The past actual emissions from the facility's 18 boilers = 99.9 TPY

There are no other contemporaneous increases for this project, hence,

Net SO₂ emissions = PEP + contemporaneous increases - contemporaneous decreases = Future PTE - Past actual emissions + contemporaneous (increases - decreases) = 139.66 - 99.9 = 39.76 < 40 TPY, and hence, not a significant net emissions increase.

Therefore, this project is NOT subject to PSD for SO₂.

Condition 9: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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 4294

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY



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TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 10: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 10.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: ASTM Method 4294

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 11: EPA Region 2 address.

Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A



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Item 11.1:

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

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

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

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

**Condition 12: Date of Construction Notification - if a COM is used
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 12.1:

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

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

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

Condition 13: Recordkeeping requirements.
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 13.1:

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 14: Excess emissions report.
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 14.1:

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 15: Excess emissions report.
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 15.1:

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).

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Condition 16: Facility files for subject sources.
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 16.1:

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 17: Availability of information.
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 17.1:

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 18: Modifications.
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 18.1:

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 19: Reconstruction
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 19.1:

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;



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- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

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

**Condition 22: Emission Point Definition By Emission Unit
Effective between the dates of 01/26/2005 and 01/25/2010**

Applicable Federal Requirement: 6NYCRR 201-6

Item 22.1(From Mod 0):

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 220 Diameter (in.): 90
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 1

Emission Point: TEMP1

Height (ft.): 53 Diameter (in.): 60
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 1

**Condition 23: Process Definition By Emission Unit
Effective between the dates of 01/26/2005 and 01/25/2010**

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1(From Mod 1):

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

Emission Unit: U-00001

Process: GAS Source Classification Code: 1-03-006-02

Process Description:
Process GAS is the firing of natural gas



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in the four boilers (Emission Sources
0091A, 0091B, 0094A & 0094B).

Emission Unit U-00001, Emission Points
00001 & TEMP1, and Emission Sources 0091A,
0091B, 0094A & 0094B are associated with
Processes GAS & OIL.

Emission Source/Control: 0091A - Combustion
Design Capacity: 91 million Btu per hour

Emission Source/Control: 0091B - Combustion
Design Capacity: 91 million Btu per hour

Emission Source/Control: 0094A - Combustion
Design Capacity: 94 million Btu per hour

Emission Source/Control: 0094B - Combustion
Design Capacity: 94 million Btu per hour

Item 23.2(From Mod 1):

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

Emission Unit: U-00001

Process: OIL

Source Classification Code: 1-03-004-02

Process Description:

Process OIL is the firing of # 6 fuel oil
in the four boilers (Emission Sources
0091A, 0091B, 0094A & 0094B).

Emission Unit U-00001, Emission Points
00001 & TEMP1, and Emission Sources 0091A,
0091B, 0094A & 0094B are associated with
Processes OIL & GAS.

Emission Source/Control: 0091A - Combustion
Design Capacity: 91 million Btu per hour

Emission Source/Control: 0091B - Combustion
Design Capacity: 91 million Btu per hour

Emission Source/Control: 0094A - Combustion
Design Capacity: 94 million Btu per hour

Emission Source/Control: 0094B - Combustion
Design Capacity: 94 million Btu per hour



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**Condition 24: Exemption from the averaging period.
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 24.1:

This Condition applies to Emission Unit: U-00001
Process: OIL Emission Source: 0094A

Item 24.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 25: Compliance methods for particulate matter.
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 25.1:

This Condition applies to Emission Unit: U-00001
Process: OIL Emission Source: 0094A

Item 25.2:

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

**Condition 26: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010**

Applicable Federal Requirement: 40CFR 60.48c(f)(2), NSPS Subpart Dc

Item 26.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: OIL Emission Source: 0094A

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of the affected facility shall maintain records containing the following data:

i) name of the residual oil supplier;



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ii) the location of the oil when the sample was drawn for analysis of the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil storage at the oil supplier's or oil refiner's facility, or other location;

iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and

iv) the method used to determine the sulfur content of the oil.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 27: Exemption from the averaging period.
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 27.1:

This Condition applies to Emission Unit: U-00001

Process: OIL

Emission Source: 0094B

Item 27.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 28: Compliance methods for particulate matter.
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 28.1:

This Condition applies to Emission Unit: U-00001

Process: OIL

Emission Source: 0094B

Item 28.2:

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

**Condition 29: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010**

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Applicable Federal Requirement: 40CFR 60.48c(f)(2), NSPS Subpart Dc

Item 29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: OIL

Emission Source: 0094B

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of the affected facility shall maintain records containing the following data:

- i) name of the residual oil supplier;
- ii) the location of the oil when the sample was drawn for analysis of the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil storage at the oil supplier's or oil refiner's facility, or other location;
- iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and
- iv) the method used to determine the sulfur content of the oil.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 30: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

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.

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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 7/30/2005.

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

Condition 32: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091A

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

Item 32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0091A - the 91 MM Btu/hr Keeler NB 3836 boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual

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oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NOx RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on natural gas is 0.10 pounds of NOx per million Btus. The Albert Einstein College of Medicine is required to comply with the NOx emission limit of 0.10 lbs/MM Btus under the NOx RACT plan for mid-size boilers.

Compliance with the 0.10 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A). The NOx RACT for mid-size boilers operating on natural gas has an emission limit regulatory standard of 0.10 pounds per million Btu per hour. The initial performance test was demonstrated in July, 1995 and compliance was achieved.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 33: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091A

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A). The NO_x RACT for boilers operating on natural gas is a limit of 0.10 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 34.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091A

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1)The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2)The owner or operator of a source subject to paragraph

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(a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour



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period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN - APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 35: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: GAS Emission Source: 0091A

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0091A - the 91 MM Btu/hr Keeler NB 3836 boiler) to verify the NOx emission limit compliance. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on natural gas have a



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limit of 0.10 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 36.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091B

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

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0091A - the 91 MM Btu/hr Keeler NB 4669 boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on natural gas is 0.10 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.10 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.10 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.



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This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091A). The NO_x RACT for mid-size boilers operating on natural gas has an emission limit regulatory standard of 0.10 pounds per million Btu per hour. The initial performance test was demonstrated in July, 1995 and compliance was achieved.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091B

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091B). The NO_x RACT for boilers operating on natural gas is a limit of 0.10 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091B

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

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(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS

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and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN - APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 39: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 39.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0091B

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0091B - the 91 MM Btu/hr Keeler NB 4669 boiler) to verify the NOx emission limit compliance. The 91 MM Btu/hr Keeler NB 4669 boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on natural gas have a limit of 0.10 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
3. Submit a compliance test report containing the results



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of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091B).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 40: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094A

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

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0094A - the 94 MM Btu/hr Babcock & Wilcox boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that

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combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on natural gas is 0.10 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.10 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.10 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A). The NO_x RACT for mid-size boilers operating on natural gas has an emission limit regulatory standard of 0.10 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 41.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094A

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A). The NOx RACT for boilers operating on natural gas is a limit of 0.10 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094A

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

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Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation,

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data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour



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daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 43: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094A

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0094A - the 94 MM Btu/hr Babcock & Wilcox boiler) to verify the NOx emission limit compliance. The 94 MM Btu/hr Babcock & Wilcox boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on natural gas have a limit of 0.10 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

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1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: GAS Emission Source: 0094B

Regulated Contaminant(s):

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



Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0094B - the 94 MM Btu/hr Babcock & Wilcox boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on natural gas is 0.10 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.10 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.10 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B). The NO_x RACT for mid-size boilers operating on natural gas has an emission limit regulatory standard of 0.10 pounds per million Btu per hour.



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Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094B

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B). The NOx RACT for



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boilers operating on natural gas is a limit of 0.10 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: GAS Emission Source: 0094B

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1)The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

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(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using



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40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 47: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: GAS Emission Source: 0094B

Regulated Contaminant(s):

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

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Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0094B - the 94 MM Btu/hr Babcock & Wilcox boiler) to verify the NOx emission limit compliance. The 94 MM Btu/hr Babcock & Wilcox boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on natural gas have a limit of 0.10 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B).

Parameter Monitored: OXIDES OF NITROGEN



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Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091A

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

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0091A - the 91 MM Btu/hr Keeler NB 3836 boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50



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and equal to or < 100 MM Btu/hr) operating on residual oil is 0.30 pounds of NOx per million Btus. The Albert Einstein College of Medicine is required to comply with the NOx emission limit of 0.30 lbs/MM Btus under the NOx RACT plan for mid-size boilers.

Compliance with the 0.30 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A). The NOx RACT for mid-size boilers operating on residual oil has an emission limit regulatory standard of 0.30 pounds per million Btu per hour. The initial performance test was demonstrated in July, 1995 and compliance was achieved.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091A

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



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Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A). The NO_x RACT for boilers operating on residual oil is a limit of 0.30 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091A

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NOx emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NOx emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate,

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maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: CONTINUOUS



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Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 51: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091A

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0091A - the 91 MM Btu/hr Keeler NB 3836 boiler) to verify the NOx emission limit compliance. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on residual oil have a limit of 0.30 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

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2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 91 MM Btu/hr Keeler NB 3836 boiler (Emission Source 0091A).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 52: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091B

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

Item 52.2:

Compliance Certification shall include the following monitoring:

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



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Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0091B - the 91 MM Btu/hr Keeler NB 4669 boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on residual oil is 0.30 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.30 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.30 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091B). The NO_x RACT for mid-size boilers operating on residual oil has an emission limit regulatory standard of 0.30 pounds per million Btu per hour. The initial performance test was demonstrated in July, 1995 and compliance was achieved.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091B

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:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091B). The NOx RACT for boilers operating on residual oil is a limit of 0.30 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091B

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

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NOx emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NOx emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

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(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine

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sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 55: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0091B

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:



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Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0091B - the 91 MM Btu/hr Keeler NB 4669 boiler) to verify the NO_x emission limit compliance. The 91 MM Btu/hr Keeler NB 4669 boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on residual oil have a limit of 0.30 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 91 MM Btu/hr Keeler NB 4669 boiler (Emission Source 0091B).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED



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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 56: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0094A - the 94 MM Btu/hr Babcock & Wilcox boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on residual oil is 0.30 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.30 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

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Compliance with the 0.30 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A). The NO_x RACT for mid-size boilers operating on residual oil has an emission limit regulatory standard of 0.30 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of mid-size boilers (>50 MM Btu/hr and



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equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A). The NO_x RACT for boilers operating on residual oil is a limit of 0.30 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack

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(emission) tests as described in subdivision (c) of this section in order to verify the NOx emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NOx emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NOx at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NOx emission limit under section

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227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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



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Condition 59: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0094A - the 94 MM Btu/hr Babcock & Wilcox boiler) to verify the NOx emission limit compliance. The 94 MM Btu/hr Babcock & Wilcox boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on residual oil have a limit of 0.30 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of

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this Title.

i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 60: Applicability of this Subpart to this emission source
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 60.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

Item 60.2:

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 61: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A



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Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 61.2:

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.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094A).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 62: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: OIL Emission Source: 0094A

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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Item 62.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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: 0.30 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: PER DELIVERY

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 63: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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



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Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 63.2:

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 oil shall combust residual oil with a sulfur content in excess of 0.3 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the 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 residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).



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Condition 64: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 64.2:

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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

Item 65.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 65.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 66.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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: 0.30 percent by weight



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

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 7/30/2005.

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

Condition 67: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094A

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

Item 67.2:

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 App B
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 68: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 68.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to stack test the mid-size boiler (Emission Source 0094B - the 94 MM Btu/hr Babcock & Wilcox boiler) in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas, and 0.30 pounds per million Btus when firing residual oil. The 91 MM Btu/hr Keeler NB 3836 boiler operates on natural gas (Process GAS) and residual oil (Process OIL).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on residual oil



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Facility DEC ID: 2600500133

is 0.30 pounds of NO_x per million Btus. The Albert Einstein College of Medicine is required to comply with the NO_x emission limit of 0.30 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.30 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B). The NO_x RACT for mid-size boilers operating on residual oil has an emission limit regulatory standard of 0.30 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 69: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 69.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

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

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B). The NOx RACT for boilers operating on residual oil is a limit of 0.30 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Optional:

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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133



The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol

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under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NOx emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NOx emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NOx per million BTU;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate using 40 CFR part 60, Appendix A, Method 19 for nonturbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for nonturbine sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN

- APP. A, METHOD 19)



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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0094B - the 94 MM Btu/hr Babcock & Wilcox boiler) to verify the NO_x emission limit compliance. The 94 MM Btu/hr Babcock & Wilcox boiler operates on natural gas (GAS) and residual oil (Process OIL).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on residual oil have a limit of 0.30 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60,

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Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 72: Applicability of this Subpart to this emission source
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 72.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010**

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

Item 73.1:

The Compliance Certification activity will be performed for:



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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 73.2:

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.

This condition applies to the 94 MM Btu/hr Babcock & Wilcox boiler (Emission Source 0094B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 74: Compliance Certification

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

Process: OIL

Emission Source: 0094B

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 74.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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: 0.30 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: PER DELIVERY

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 75: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 75.2:

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 oil shall combust oil with a sulfur content in excess of 0.3 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the 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 residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.



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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 76.2:

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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

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Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133



Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 77.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit in residual oil for New York City than 40 CFR 60-Dc.42c(h), NSPS.

Process Material: NUMBER 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.



New York State Department of Environmental Conservation

Permit ID: 2-6005-00133/00002

Facility DEC ID: 2600500133

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

Condition 78: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 78.2:

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 oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the residual oil to 0.30 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Albert Einstein College of Medicine must comply with the 0.30 percent by weight sulfur content limit in residual 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.



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Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 01/26/2005 and 01/25/2010

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: OIL Emission Source: 0094B

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

Item 79.2:

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

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Reference Test Method: 40 CFR 60 App 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 7/30/2005.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 80: Contaminant List
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: ECL 19-0301

Item 80.1:

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: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 81: Unavoidable noncompliance and violations
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-1.4

Item 81.1:

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 superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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



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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 82: Capping Monitoring Condition
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-7

Item 82.1:

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 202-2
40CFR 52-A.21

Item 82.2:

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

Item 82.3:

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 82.4:

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 82.5:

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.

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Item 82.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 82.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility proposes to cap the incremental emissions of SO₂ to be less than 40 tons per year in order to cap out of PSD (40 CFR 52-A.21). In accordance with Part 231-2.1(b)(40)(ii), the proposed project, the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B, is not a source project since the future maximum potential is limited to existing maximum potential. In order to accomplish the stringent PSD conditions, the facility will limit the fuel consumptions to 5.91 million gallons per year of # 6 fuel oil (residual oil), and 20.5 million cubic foot per year of natural gas, and 33,000 gallons per year of # 2 fuel oil (distillate oil) for all of the thirteen existing boilers and the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B (all of the fifteen boilers at the facility).

The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (new in Main Building) - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in Main Building) - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at the Rousso Building) - exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at the Rhinelander Building) - exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center) - exempt from permitting

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS



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Parameter Monitored: NATURAL GAS
Upper Permit Limit: 20.5 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 7/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 83: Capping Monitoring Condition
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-7

Item 83.1:

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 202-2
40CFR 52-A.21

Item 83.2:

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

Item 83.3:

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 83.4:

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 83.5:

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 83.6:

The Compliance Demonstration activity will be performed for the Facility.



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Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 83.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility proposes to cap the incremental emissions of SO₂ to be less than 40 tons per year in order to cap out of PSD (40 CFR 52-A.21). In accordance with Part 231-2.1(b)(40)(ii), the proposed project, the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B, is not a source project since the future maximum potential is limited to existing maximum potential. In order to accomplish the stringent PSD conditions, the facility will limit the fuel consumptions to 5.91 million gallons per year of # 6 fuel oil (residual oil), and 20.5 million cubic foot per year of natural gas, and 33,000 gallons per year of # 2 fuel oil (distillate oil) for all of the thirteen existing boilers and the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B (all of the fifteen boilers at the facility).

The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (new in Main Building) - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in Main Building) - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at the Rousso Building) - exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at the Rhinelander Building) - exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center) - exempt from permitting

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: NUMBER 2 OIL

Upper Permit Limit: 33 thousand gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 84: Capping Monitoring Condition
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-7

Item 84.1:

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 202-2
40CFR 52-A.21

Item 84.2:

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

Item 84.3:

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 84.4:

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 84.5:

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 84.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 84.7:

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Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility proposes to cap the incremental emissions of SO₂ to be less than 40 tons per year in order to cap out of PSD (40 CFR 52-A.21). In accordance with Part 231-2.1(b)(40)(ii), the proposed project, the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B, is not a source project since the future maximum potential is limited to existing maximum potential. In order to accomplish the stringent PSD conditions, the facility will limit the fuel consumptions to 5.91 million gallons per year of # 6 fuel oil (residual oil), and 20.5 million cubic foot per year of natural gas, and 33,000 gallons per year of # 2 fuel oil (distillate oil) for all of the thirteen existing boilers and the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B (all of the fifteen boilers at the facility).

The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (new in Main Building) - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in Main Building) - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at the Rousso Building) - exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at the Rhineland Building) - exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center) - exempt from permitting

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 140 tons 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 7/30/2005.

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

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Condition 85: Capping Monitoring Condition
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-7

Item 85.1:

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 202-2
40CFR 52-A.21

Item 85.2:

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

Item 85.3:

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 85.4:

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 85.5:

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 85.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 85.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

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Monitoring Description:

The facility proposes to cap the incremental emissions of NOx to be less than 40 tons per year in order to cap out of PSD (40 CFR 52-A.21). In accordance with Part 231-2.1(b)(40)(ii), the proposed project, the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B, is not a source project since the future maximum potential is limited to existing maximum potential. In order to accomplish the stringent PSD conditions, the facility will limit the fuel consumptions to 5.91 million gallons per year of # 6 fuel oil (residual oil), and 20.5 million cubic foot per year of natural gas, and 33,000 gallons per year of # 2 fuel oil (distillate oil) for all of the thirteen existing boilers and the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B (all of the fifteen boilers at the facility).

The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (new in Main Building) - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in Main Building) - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at the Rousso Building) - exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at the Rhinelander Building) - exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center) - exempt from permitting

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 135 tons 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 7/30/2005.

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

Condition 86: Capping Monitoring Condition
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 201-7

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Item 86.1:

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 202-2
40CFR 52-A.21

Item 86.2:

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

Item 86.3:

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 86.4:

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 86.5:

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 86.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 86.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The facility proposes to cap the incremental emissions of SO₂ to be less than 40 tons per year in order to cap out of PSD (40 CFR 52-A.21). In accordance with Part



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231-2.1(b)(40)(ii), the proposed project, the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B, is not a source project since the future maximum potential is limited to existing maximum potential. In order to accomplish the stringent PSD conditions, the facility will limit the fuel consumptions to 5.91 million gallons per year of # 6 fuel oil (residual oil), and 20.5 million cubic foot per year of natural gas, and 33,000 gallons per year of # 2 fuel oil (distillate oil) for all of the thirteen existing boilers and the two new 94 MM Btu/hr Babcock & Wilcox boilers - Emission Sources 0094A & 0094B (all of the fifteen boilers at the facility).

The future facility will include the following emission sources:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (new in Main Building) - Emission Sources 0094A & 0094B
- (ii) 2-91 MM Btu/hr Keeler boilers (existing in Main Building) - Emission Sources 0091A & 0091B
- (iii) 2-4.1 MM Btu/hr Federal boilers (existing at the Rousso Building) - exempt from permitting
- (iv) 2-8.4 MM Btu/hr Federal boilers (existing at the Rhinelander Building) - exempt from permitting
- (v) 7-0.326 MM Btu/hr boilers (existing in the Gym at the Falk Center) - exempt from permitting

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 6 OIL
Parameter Monitored: NUMBER 6 OIL
Upper Permit Limit: 5910 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 7/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 87: Air pollution prohibited
Effective between the dates of 01/26/2005 and 01/25/2010

Applicable State Requirement: 6NYCRR 211.2

Item 87.1:

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

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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.