

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



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 2-6005-00133/00004  
Effective Date: 09/19/2006                      Expiration Date: No expiration date

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 # 2-6005-00133/00004**

Albert Einstein College of Medicine (AECOM) of Yeshiva University, which is a medical university, is a major facility, which has a Title V permit that was renewed on 1/26/2005 and will expire on 1/25/2010. The facility is located at 1300 Morris park Avenue, Bronx, New York. The facility is planning to remove five existing boilers and install two new boilers. The five existing boilers that will be removed are: three 22 MM Btu/hr (each) Kewanee at the Low Housing Building, and two 27 MM Btu/hr (each) Keeler at the Main Campus (which were disconnected on Sept. '05 and removed from site on March '06). The two new boilers that will be installed are 94 MM Btu/hr (each) Babcock & Wilcox. During this boiler replacement period, the facility will install one stand-by temporary boiler (Emission Source BLR01) and a temporary # 2 fuel oil storage tank. This boiler and storage tank will be removed once the new boilers are constructed and in operation. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a year.

A Title V permit was issued on 06/29/2005 for the construction and installation of the two new boilers. The stand-by temporary boiler will fire distillate oil (Process STB), and the # 2 fuel consumption of the stand-by temporary boiler will be part of the facility's existing Title V threshold (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The monthly rolled fuel will be adjusted between # 6 oil (existing boilers) and # 2 oil (stand-by temporary boiler). No emission increase will occur as a result of the stand-by temporary boiler's operation. The # 2 fuel oil consumption for the stand-by boiler (Emission Source BLR01) will not exceed 3 million gallons per year, limiting the facility's wide SO<sub>2</sub> emission to below 140 tpy, and the



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NO<sub>x</sub> emission to 135 tpy (inclusive of the operation of the two existing boilers on #6 fuel oil). Since, no emission increase will occur as a result of the stand-by temporary boiler's operation, therefore; the stand-by temporary boiler is not subject to Part 231, New Source review for either NO<sub>x</sub> or VOC, and it is also not subject to PSD (40 CFR 52-A.21) applicability either.

The estimated fuel consumption for the stand-by temporary boiler has been computed based on "No Net Increased Emissions" from the emissions proposed in the Title V permit (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The fuel consumption for the stand-by temporary boiler was adjusted from the total fuel assigned for the new boilers as well as existing boilers (facility wide). Once the stand-by temporary boiler is removed, the previously permitted overall fuel consumption limit of 33,000 gallons per year of # 2 fuel oil, 5.91 million gallons per year of # 6 fuel oil, and 20.5 million cubic feet per year of natural gas will remain for the facility, thereby not requiring any additional permit modification.

In summary, based on the facility's Title V emissions cap of 140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>;

- 1.86 million gallons of # 6 fuel oil, on the basis of emission, has been assigned for the stand-by temporary boiler's "capping purposes" for this ASF permit. This is equivalent to 3.033 million gallons of # 2 fuel oil on the basis of emissions. This fuel consumption is approximately equal to 3.033 million gallons of # 2 fuel oil.

- Since the two new boilers will not fire any fuel during their installation period, the allowed 4.05 million gallons of # 6 fuel oil will be sufficient for the existing boilers and 3.033 million gallons of # 2 fuel oil for the stand-by temporary boiler.

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

In addition to the eleven exempt boilers listed above (two 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), the facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including seven emergency generators (operating <500 hrs/yr), few fume hoods and ten fuel oil storage tanks < 300,000 bbls.

The Air State Facility permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission unit, emission point and emission source. The facility is subject to the provisions of 6 NYCRR 201-5. The facility is subject to 6 NYCRR 225-1.2(a)(2), sulfur in fuel limitation, which restricts the sulfur content of the distillate fuel oil utilized in the



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stand-by boiler to 0.20 % by weight or less. Emission Point BLRP1 for the stand-by boiler is subject to the particulate and smoke emission and corrective action requirements of 6 NY 227-1, stationary combustion installations. To demonstrate compliance with the particulate emission rate limits in section 227.2(b)(1), the facility will conduct an initial stack test of the stand-by boiler to provide compliance with the 0.10 lbs/MM Btus. The stand-by temporary boiler is required to comply with 6 NYCRR 227-2.4, Reasonably Available Control Technology for oxides of nitrogen for mid-size boilers of 0.12 MM Btu/hr limit for operating on oil. The stand-by boiler is required to comply with the requirements of 6 NYCRR 227-2.6(a)(4), testing, monitoring and reporting requirements for mid-size boilers, 6 NYCRR 227-2.6(c), stack requirements for mid-size boilers, and 6 NYCRR 227-2.6(c)(2), emission limitations for mid-size boilers.

In addition, the stand-by temporary boiler (Emission Source BLR01) is subject to 40 CFR 60 Subpart A.4 thru Subpart A.15, general provisions for address, notification and recordkeeping, performance tests, availability of information, compliance with standards and maintenance requirements, circumvention, monitoring requirements, modification, and reconstruction. The stand-by boiler is also subject to 40 CFR 60 Subpart Dc, New Source Performance Standards requirements relating to SO2 and Particulates emissions. Finally, the stand-by boiler is subject to 40 CFR 60-Dc.43c(c), Standard for Opacity - COMS, 40 CFR 60-Dc.46c(d)(2), alternative SO emissions monitoring, 40 CFR 60-Dc.47c, emission monitoring for Particulate Matter by COMS, and 40 CFR 60-Dc.-48c(f)(1), (g), and (i), reporting and recordkeeping requirements.

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

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

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

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

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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

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transfer of ownership.

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

**Item 4.1:**

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

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

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

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

**Item 5.1:**

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

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



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: YESHIVA UNIVERSITY  
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:  
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 09/19/2006

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 40CFR 68: Accidental release provisions.
- 2 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 3 6NYCRR 201-6.5(g): Non Applicable requirements
- \*4 6NYCRR 201-7.2: Capping Monitoring Condition
- \*5 6NYCRR 201-7.2: Capping Monitoring Condition
- 6 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 7 6NYCRR 225-1.8: Compliance Demonstration
- 8 6NYCRR 225.1(a)(3): Compliance Demonstration

**Emission Unit Level**

- 9 6NYCRR 201-7: Process Permissible Emissions
- 10 6NYCRR 201-7.2: Emission Unit Permissible Emissions
- 11 6NYCRR 201-7.2: Process Permissible Emissions

**EU=S-TANDB,EP=BLRP1,Proc=STB,ES=BLR01**

- \*12 6NYCRR 201-7: Capping Monitoring Condition
- 13 6NYCRR 227-1.3(a): Compliance Demonstration
- 14 6NYCRR 227-2.4(c): Compliance Demonstration
- 15 6NYCRR 227-2.4(c)(1)(i): This is the optional condition for gas or distillate fired midsized boilers. If they opt not to use this method then 227-2.4(c)(2) applies.
- 16 6NYCRR 227-2.4(c)(2): Compliance Demonstration
- 17 6NYCRR 227-2.6(a)(4): Compliance Demonstration
- 18 6NYCRR 227-2.6(c): Compliance Demonstration
- 19 6NYCRR 227.2(b)(1): Compliance Demonstration
- 20 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 21 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 22 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 23 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 24 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 25 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 26 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 27 40CFR 60.8, NSPS Subpart A: Compliance Demonstration
- 28 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 29 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 30 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 31 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 32 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 33 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 34 40CFR 60.9, NSPS Subpart A: Availability of information.

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- 35 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 36 40CFR 60.12, NSPS Subpart A: Circumvention.
- 37 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 38 40CFR 60.13(c), NSPS Subpart A: Compliance Demonstration
- 39 40CFR 60.14, NSPS Subpart A: Modifications.
- 40 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 41 40CFR 60.40c, NSPS Subpart Dc: Compliance Demonstration
- 42 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 43 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Demonstration
- 44 40CFR 60.47c, NSPS Subpart Dc: Compliance Demonstration
- 45 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 46 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
- 47 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 48 ECL 19-0301: Contaminant List
- 49 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 50 6NYCRR 201-5: Emission Unit Definition
- 51 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 52 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 53 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

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

Any person who owns or operates an air contamination

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

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

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

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

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

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

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

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



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criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Required Emission Tests - 6 NYCRR Part 202-1.1**

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

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

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

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

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

**Item M: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not



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limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 1: Accidental release provisions.  
Effective between the dates of 09/19/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 68**

**Item 1.1:**

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:



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

**Condition 2: Recycling and Emissions Reduction**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 2.1:**

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

**Condition 3: Non Applicable requirements**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 3.1:**

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

6NYCRR 231-2

Emission Unit: STANDB Emission Point: BLRP1 Process: STB Source: BLR01

Reason: New Source Review, 6 NYCRR 231-2, is not applicable to this facility. The facility will be using the 70 MM Btu/hr stand-by temporary trailer-mounted boiler during this boiler replacement period. The stand-by temporary boiler will fire distillate oil (Process STB), and the # 2 fuel oil consumption of the stand-by temporary boiler will be part of the facility's existing Title V threshold (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The monthly rolled fuel will be adjusted between # 6 oil (existing boilers) and #2 oil (stand-by temporary boiler). No emission increase will occur as a result of the stand-by temporary boiler's operation. Therefore, the stand-by temporary boiler is not subject to Part 231, New Source review for either NO<sub>x</sub> or VOC, and it is also not subject to PSD (40 CFR 52-A.21) applicability either.

The estimated fuel consumption for the stand-by temporary boiler has been computed based on "No Net Increased Emissions" from the emissions proposed in the Title V permit (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The fuel consumption for the stand-by temporary boiler was adjusted from the total fuel assigned for the new boilers as well



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as existing boilers (facility wide). Once the stand-by temporary boiler is removed, the previously permitted overall fuel consumption limit of 33,000 gallons per year of # 2 fuel oil, 5.91 million gallons per year of # 6 fuel oil, and 20.5 million cubic feet per year of natural gas will remain for the facility, thereby not requiring any additional permit modification.

In summary, based on the facility's Title V emissions cap of 140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>;

- 1.86 million gallons of # 6 fuel oil, on the basis of emission, has been assigned for the stand-by temporary boiler's "capping purposes" for this ASF permit. This is equivalent to 3.033 million gallons of # 2 fuel oil on the basis of emissions. This fuel consumption is approximately equal to 3.033 million gallons of # 2 fuel oil.

- Since the two new boilers will not fire any fuel during their installation period, the allowed 4.05 million gallons of # 6 fuel oil will be sufficient for the existing boilers and 3.033 million gallons of # 2 fuel oil for the stand-by temporary boiler.

40CFR 60-Dc.42c

Emission Unit: STANDB Emission Point: BLRP1 Process: STB

Source: BLR01

Reason: 40 CFR 60-Dc.42c, NSPS, which limit the sulfur content in the distillate fuel oil to 0.50 percent by weight, is not applicable to Emission Source BLR01 (the 70 MM Btu/hr NEBRASKA "O" TYPE stand-by temporary trailer-mounted boiler) or to this facility. This regulation is overruled by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate fuel oil to 0.20 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 0.20 percent by weight sulfur content limit as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c, NSPS.

**Condition 4: Capping Monitoring Condition**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 4.1:**

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

40CFR 52-A.21

**Item 4.2:**

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

**Item 4.3:**

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

**Item 4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 4.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The stand-by temporary boiler will fire distillate oil (Process STB), and the # 2 fuel consumption of the stand-by temporary boiler will be part of the facility's



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existing Title V threshold (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The monthly rolled fuel will be adjusted between # 6 oil (existing boilers) and # 2 oil (stand-by temporary boiler). The stand-by boiler (Emission Source BLR01) will be removed once the two new boilers are in operation. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a year. The # 2 fuel oil consumption for this boiler will not exceed 3 million gallons per year, limiting the SO<sub>2</sub> emissions to below 140 tpy, facility wide (inclusive of the operation of the two existing boilers on #6 fuel 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 1/30/2007.

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

**Condition 5: Capping Monitoring Condition**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 5.1:**

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

6NYCRR 231-2

**Item 5.2:**

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

**Item 5.3:**

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

**Item 5.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an



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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 5.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 5.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 5.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The stand-by temporary boiler will fire distillate oil (Process STB), and the # 2 fuel consumption of the stand-by temporary boiler will be part of the facility's existing Title V threshold (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The monthly rolled fuel will be adjusted between # 6 oil (existing boilers) and # 2 oil (stand-by temporary boiler). The stand-by boiler (Emission Source BLR01) will be removed once the two new boilers are in operation. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a year. The # 2 fuel oil consumption for this boiler will not exceed 3 million gallons per year, limiting the NO<sub>x</sub> emissions to below 135 tpy, facility wide (inclusive of the operation of the two existing boilers on #6 fuel oil.

Parameter Monitored: OXIDES OF NITROGEN

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 1/30/2007.

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



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**Condition 6: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is required to provide semi-annual reports on fuel sulfur content used. The facility shall not use distillate fuel oil with greater than 0.20 % by weight sulfur. Fuel supplier shall provide certification that the sulfur content is less than 0.20 % for all distillate fuel oil deliveries.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 7.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 8.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 8.2:**

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.20 percent by weight  
Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

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

**Condition 9: Process Permissible Emissions**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 9.1:**

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

Emission Unit: S-TANDB                      Process: STB

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 14.1 pounds per hour  
85,200 pounds per year

**Condition 10: Emission Unit Permissible Emissions**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

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**Item 10.1:**

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

Emission Unit: S-TANDB

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 9.93 pounds per hour

60,000 pounds per year

**Condition 11: Process Permissible Emissions**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 11.1:**

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

Emission Unit: S-TANDB

Process: STB

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 14.1 pounds per hour

85,200 pounds per year

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 9.93 pounds per hour

60,000 pounds per year

**Condition 12: Capping Monitoring Condition**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 12.1:**

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

40CFR 52-A.21

**Item 12.2:**

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



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conditions and standards in this permit.

**Item 12.3:**

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 12.4:**

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 12.5:**

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 12.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 12.7:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:  
The stand-by temporary boiler will fire distillate oil (Process STB), and the # 2 fuel consumption of the stand-by temporary boiler will be part of the facility's existing Title V threshold (140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>). The monthly rolled fuel will be adjusted between # 6 oil (existing boilers) and # 2 oil (stand-by temporary boiler). The stand-by boiler (Emission Source BLR01) will be removed once the two new boilers are in operation. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a



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year. The # 2 fuel oil consumption for this boiler will not exceed 3 million gallons per year, limiting the SO<sub>2</sub> emission to below 140 tpy and the NO<sub>x</sub> emission to below 135 tpy, facility wide (inclusive of the operation of the two existing boilers on #6 fuel oil.

Based on the facility's Title V emissions cap of 140 tpy of SO<sub>2</sub> and 135 tpy of NO<sub>x</sub>;

- 1.86 million gallons of # 6 fuel oil, on the basis of emission, has been assigned for the stand-by temporary boiler's "capping purposes" for this ASF permit. This is equivalent to 3.033 million gallons of # 2 fuel oil on the basis of emissions. This fuel consumption is approximately equal to 3.033 million gallons of # 2 fuel oil.

- Since the two new boilers will not fire any fuel during their installation period, the allowed 4.05 million gallons of # 6 fuel oil will be sufficient for the existing boilers and 3.033 million gallons of # 2 fuel oil for the stand-by temporary boiler.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Upper Permit Limit: 3.0 million gallons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 13: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



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**DEVICE PARAMETERS AS SURROGATE**

**Monitoring Description:**

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 14: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1

Process: STB Emission Source: BLR01

Regulated Contaminant(s):

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

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

**DEVICE PARAMETERS AS SURROGATE**

Monitoring Description:

To comply with 6 NYCRR 227-2.4(c), owners or operators of mid-size boilers (greater than 50 million Btus and equal or less than 100 million Btus), must meet the requirements of either 6 NYCRR 227-2.4(c)(1) or 6 NYCRR 227-2.4(c)(2).

This 70 MM Btu/hr NEBRASKA "O" TYPE stand-by temporary trailer-mounted rental boiler fires distillate oil (# 2 fuel oil). The NO<sub>x</sub> RACT emission for this stand-by temporary trailer-mounted rental boiler is not to exceed



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0.12 pounds of NO<sub>x</sub> per million Btus when firing distillate oil. The compliance status of this condition shall be reported to the Department semi-annually (calendar).

Process Material: NUMBER 2 OIL  
Manufacturer Name/Model Number: NEBRASKA "O" TYPE  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.12 pounds per million Btus  
Reference Test Method: Method 7, 7E, or 19  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 15: This is the optional condition for gas or distillate fired midsized boilers. If they opt not to use this method then 227-2.4(c)(2) applies. Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 15.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 15.2:**

Boilers firing natural gas and/or distillate oil shall utilize low NO<sub>x</sub> Burners.

**Condition 16: Compliance Demonstration Effective between the dates of 09/19/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)**

**Item 16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine is required initially to stack test the stand-by temporary trailer-mounted rental mid-size boiler for NOx emission limit compliance.

The emission limit for NOx RACT for mid-size boilers (greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour), operating on oil only is 0.12 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Compliance with this emission limit shall be determined with a one-hour average in accordance with 6 NYCRR 227-2.6(a)(4) unless the owner/operator opts to utilize CEMS under the provisions of 6 NYCRR 227-2.6(a)(2). If CEMS are utilized, the requirements of 6 NYCRR 227-2.6(b) apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: NEBRASKA "O" TYPE

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: EPA Method 19

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 17: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1

Process: STB Emission Source: BLR01

Regulated Contaminant(s):

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

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO<sub>x</sub> 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 facility shall perform testing on the 70 MM Btu/hr Nebraska "O" Type stand-by temporary trailer-mounted rental boiler (Emission Source BLR01) to verify NO<sub>x</sub> emissions to demonstrate compliance with this part.

This condition applies to the 70 MM Btu/hr Nebraska "O" Type stand-by temporary trailer-mounted rental boiler (Emission Source BLR01). The NO<sub>x</sub> RACT for boilers operating on distillate oil is a limit of 0.12 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 18: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 18.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 18.2:**

Compliance Demonstration 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 stand-by temporary



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trailer-mounted rental boiler (Emission Source BLR01 - the 70 MM Btu/hr Nebraska "O" Type boiler) to verify the NO<sub>x</sub> emission limit compliance. The 70 MM Btu/hr Nebraska "O" Type boiler operates on distillate oil (Process OIL) only.

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on distillate oil have a limit of 0.12 pounds of NO<sub>x</sub> per million Btus under the NO<sub>x</sub> 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<sub>x</sub> 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 70 MM Btu/hr Nebraska "O" Type stand-by temporary trailer-mounted rental boiler (Emission Source BLR01).

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.12 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 19: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 19.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

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

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

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: Method 5  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).



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**Condition 20: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 20.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 20.2:**

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

**Condition 21: EPA Region 2 address.  
Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 21.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 21.2:**

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

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

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

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

**Condition 22: Date of Construction Notification - if a COM is used.  
Effective between the dates of 09/19/2006 and Permit Expiration Date**

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



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**Item 22.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 22.2:**

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

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

**Condition 23: Recordkeeping requirements.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 23.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 23.2:**

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

**Condition 24: Compliance Demonstration**



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

**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.



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

**Condition 25: Excess Emissions Report**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 25.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 25.2:**

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

**Condition 26: Facility files for subject sources.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 26.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 26.2:**

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

**Condition 27: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 27.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 27.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stack performance tests shall be performed within 60 days after achieving the maximum production rate but not later than 180 days after initial start-up.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 28: Performance testing timeline.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 28.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 28.2:**

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

**Condition 29: Performance test methods.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 29.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 29.2:**

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

**Condition 30: Required performance test information.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 30.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01



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**Item 30.2:**

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

**Condition 31: Prior notice.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 31.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 31.2:**

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

**Condition 32: Performance testing facilities.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 32.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 32.2:**

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

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

**Condition 33: Number of required tests.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 33.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 33.2:**



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

**Condition 34: Availability of information.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 34.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 34.2:**

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

**Condition 35: Opacity standard compliance testing.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 35.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 35.2:**

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

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

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

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

**Condition 36: Circumvention.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 36.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01



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**Item 36.2:**

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

**Condition 37: Monitoring requirements.**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 37.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 37.2:**

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

**Condition 38: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days

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thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

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

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 39: Modifications.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 39.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 39.2:**

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

**Condition 40: Reconstruction.**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 40.1:**

This Condition applies to Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 40.2:**

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



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

**Condition 41: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 41.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 41.2:**

Compliance Demonstration 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 (SO<sub>2</sub>) or particulate matter (PM) emission



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limits, performance testing requirements, or monitoring requirements under this subpart (Subparts 60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in Subpart 60.14. Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 42: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 42.2:**

Compliance Demonstration 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



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Upper Permit Limit: 20.0 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Compliance Demonstration**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 43.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 43.2:**

Compliance Demonstration 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 SO<sub>2</sub> control device (or outlet of the steam generating unit if no SO<sub>2</sub> control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO<sub>2</sub> 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.

Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.20 percent by weight  
Reference Test Method: Method 19  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: 30-DAY ROLLING AVERAGE



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 44: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 44.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1

Process: STB Emission Source: BLR01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 44.2:**

Compliance Demonstration 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 residual oil, coal or wood and has heat input capacity greater than 30 mmbtu/hr shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity averaging over 6-minutes, except for one 6-minute period per hour of not more than 27% opacity.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: 40 CFR 60 Appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.



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**Condition 45: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 45.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

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

**Item 45.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 46: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 46.1:**



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The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 46.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 47: Compliance Demonstration**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 47.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-TANDB Emission Point: BLRP1  
Process: STB Emission Source: BLR01

**Item 47.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS requirements.

**\*\* NOTE\*\*** Records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 48: Contaminant List**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 48.1:**

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 49: Unavoidable noncompliance and violations**

**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 49.1:**

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.



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

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

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

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

**Condition 50: Emission Unit Definition**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 50.1:**

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

Emission Unit: S-TANDB

Emission Unit Description:

Emission Unit S-TANDB consists of one stand-by temporary trailer-mounted rental boiler, rated at 70 MM Btu/hr (Emission Source BLR01), firing # 2 fuel oil (Process STB). Exhaust gases are discharged to the atmosphere via a stack, identified as Emission Point BLRP1. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a year. This boiler is a stand-by temporary boiler that will be installed as a stand-by unit during the boiler replacement period, and will be removed from site once the two new

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boilers are in operation.

**Condition 51: Air pollution prohibited**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 51.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

**Condition 52: Emission Point Definition By Emission Unit**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 52.1:**

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

Emission Unit: S-TANDB

Emission Point: BLRP1

Height (ft.): 80

Diameter (in.): 48

**Condition 53: Process Definition By Emission Unit**  
**Effective between the dates of 09/19/2006 and Permit Expiration Date**

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

**Item 53.1:**

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

Emission Unit: S-TANDB

Process: STB

Source Classification Code: 1-03-005-02

Process Description:

Process STB is the firing of # 2 fuel oil in the 70 MM Btu/hr stand-by temporary trailer-mounted rental boiler (Emission Source BLR01) in Emission Unit S-TANDB. Exhaust gases are discharged to the atmosphere via a



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stack, identified as Emission Point BLRP1. This temporary boiler operation will purely be standby/backup and only be turned on if necessary, and the boiler will have to be available on a 24/7 basis up to a year. This boiler is a stand-by temporary boiler that will be installed as a stand-by unit during the boiler replacement period, and will be removed from site once the two new boilers are in operation.

Emission Source/Control: BLR01 - Combustion

Design Capacity: 70 million Btu per hour