



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6005-00133/00002
Effective Date: 07/13/2015 Expiration Date: 07/12/2020

Permit Issued To: Albert Einstein College of Medicine
1300 Morris Park Ave
Bronx, NY 10461

Contact: SALVATORE CIAMPO
ALBERT EINSTEIN COLLEGE OF MEDICINE
1300 MORRIS PARK AVE
BRONX, NY 10461
(718) 430-2176

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

Contact: Joseph Ben-Ari
Einstein College
1300 Morris Park Ave
Bronx, NY 10461
(718) 430-2704

Description:

PERMIT DESCRIPTION
Albert Einstein College of Medicine
DEC ID # 2-6005-00133/00002 (Ren 3)

Albert Einstein College of Medicine (AECOM) of Yeshiva University is located at 1300 Morris Park Avenue, Bronx, NY, is a medical educational institution, and a Title V facility. The standard industrial classification (SIC) code for this facility is 8221 - Colleges and Universities. AECOM operates four (4) main mid-size boilers (< 100 MM Btu/hr), firing both natural gas and #2 fuel oil, two (2) 4.1 MM Btu/hr each small-size Federal boilers (<10 MM Btu/hr) firing natural gas, two (2) 8.4 MM Btu/hr each small-size Federal boilers (<10 MM Btu/hr) dual fuel firing natural gas and #4 fuel oil, sixteen (16) bulk oil storage tanks, approximately 350 fumehoods, and thirteen (13) emergency generators currently permitted under the Title V permit. The facility has discontinued the use of the four (4) of its emergency generators into NYISO's coordinated demand response program (CDRP), they are reverted to emergency only use.

This application is submitted for the Title V renewal # 3. The facility recently discontinued the CDRP for the four (4) engine generators and are currently included in the Title V permit renewal # 3 as emergency generators only (are being identified as Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-00002. Each of these emergency engine generators will be operating up to a maximum of 500 hours per year in accordance with 6 NYCRR 201-3.2 (a). The capping of the NOx emissions of 22.5 tpy from these engine generators has been removed

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from the Title V permit.

The existing facility includes the following four (4) engine generators:

- (a) 900 KW CAT D399 in the Chanin Building - Emission Source ENG01,
- (b) 1,000 KW CAT 3512 in the Ullmann Building - Emission Source ENG02,
- (c) 1,750 KW CAT 3516 in the Price Center - Emission Source ENG03, and
- (d) 1,750 KW CAT 3516 in the Price Center - Emission Source ENG04.

All four (4) generators are large stationary internal combustion, lean burn, and compression ignition.

The existing facility includes the following eight (8) boilers:

- (i) 2-94 MM Btu/hr Babcock & Wilcox boilers (in the Powerhouse) - Emission Sources 0094A & 0094B, firing both natural gas and #2 fuel oil,
- (ii) 2-91 MM Btu/hr Keeler boilers (in the Powerhouse) - Emission Sources 0091A & 0091B, firing both natural gas and #2 fuel oil,
- (iii) 2-4.1 MM Btu/hr Federal boilers (in the Rousso Building) - Emission Sources BL41A & BL41B, firing natural gas only and
- (iv) 2-8.4 MM Btu/hr Federal boilers (in the Rhinelander Building) - Emission Sources BL84A & BL84B, firing both natural gas and #4 fuel oil.

The four (4) main mid-size boilers identified as Emission Sources 0091A, 0091B, 0094A & 0094B are limited to 135 tpy of NOx emissions and 140 tpy of SO2 emission. The four exempt engines/generators identified as ENG01, ENG02, ENG03 & ENG04 are limited to operating a maximum of 500 hours/year each.

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: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

Submission of application for permit modification or renewal -

REGION 2 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Bronx, NY 10461

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

Authorized Activity By Standard Industrial Classification Code:
6512 - NONRESIDENTIAL BUILDING OPERATORS
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 07/13/2015

Permit Expiration Date: 07/12/2020



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c): Compliance Certification
- 5 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 6 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 7 6 NYCRR 201-6.4 (e): Compliance Certification
- 8 6 NYCRR 202-2.1: Compliance Certification
- 9 6 NYCRR 202-2.5: Recordkeeping requirements
- 10 6 NYCRR 215.2: Open Fires - Prohibitions
- 11 6 NYCRR 200.7: Maintenance of Equipment
- 12 6 NYCRR 201-1.7: Recycling and Salvage
- 13 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 14 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 16 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 17 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 18 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR 200.7: Compliance Certification
- 23 6 NYCRR 201-3.2 (c): Compliance Certification
- 24 6 NYCRR Subpart 201-6: Emission Unit Definition
- 25 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 26 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 92 6 NYCRR 211.2: Visible Emissions Limited
- 30 6 NYCRR 225-1.2 (f): Compliance Certification
- 31 6 NYCRR 225-1.2 (g): Compliance Certification
- 32 6 NYCRR 225-1.2 (h): Compliance Certification
- 33 6 NYCRR 225-1.6: Compliance Certification
- 34 6 NYCRR 225.7 (a): Compliance Certification
- 35 6 NYCRR 227-1.3: Compliance Certification
- 36 6 NYCRR 227-1.3: Compliance Certification
- 37 6 NYCRR 227-1.3: Compliance Certification
- 38 6 NYCRR 227-1.3 (a): Compliance Certification
- 39 6 NYCRR 227-1.3 (a): Compliance Certification
- 40 6 NYCRR 227-1.3 (a): Compliance Certification
- 41 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification
- 42 6 NYCRR 227-2.4 (d): Compliance Certification
- 43 6 NYCRR 227-2.5 (a): Compliance Certification

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- 44 6 NYCRR 227-2.6 (a): Compliance Certification
- 45 6 NYCRR 227-2.6 (b): Compliance Certification
- 46 6 NYCRR 227-2.6 (c): Compliance Certification
- 47 6 NYCRR 227.2 (b) (1): Compliance Certification
- 48 40CFR 60.8, NSPS Subpart A: Compliance Certification
- 49 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 50 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 51 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 52 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
- 53 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 54 40CFR 60, NSPS Subpart IIII: Applicability
- 55 40CFR 60, NSPS Subpart IIII: Compliance and Enforcement
- 56 40CFR 63, Subpart ZZZZ: Applicability
- 57 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 58 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP

Emission Unit Level

- 59 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 60 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 61 6 NYCRR Subpart 201-7: Process Permissible Emissions

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

- 62 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=00001,Proc=OL2,ES=0091A

- 63 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 64 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 65 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 66 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 67 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 68 40CFR 60.7(c), NSPS Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=OL2,ES=0091A

- 69 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 70 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 71 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 72 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 73 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 74 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 75 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 76 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 77 40CFR 60.9, NSPS Subpart A: Availability of information.
- 78 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 79 40CFR 60.12, NSPS Subpart A: Circumvention.
- 80 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 81 40CFR 60.13(c), NSPS Subpart A: Compliance Certification
- 82 40CFR 60.13(c), NSPS Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=OL2,ES=0091A

- 83 40CFR 60.14, NSPS Subpart A: Modifications.

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- 84 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 85 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 86 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification
- 87 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification
- 88 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 89 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 90 ECL 19-0301: Contaminant List
- 91 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 29 6 NYCRR 211.1: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

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

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

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

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

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

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

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

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

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

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V

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facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

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

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

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

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

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

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

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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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(c) Permit conditions for recordkeeping and reporting of compliance monitoring.

(1) The following information must be included in records and reports:

(i) the date, place as defined in the permit, and time of any required sampling or measurements;

(ii) the date(s) any required analyses were performed;

(iii) the company or entity that performed any required analyses;

(iv) the analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) the results of such analyses including quality assurance data where required;

(vi) the operating conditions as existing at the time of any required sampling or measurement;

(vii) any deviation from permit requirements must be clearly identified; and

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 5: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 5.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 6: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (3) (ii)

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Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been

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placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using

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the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 7: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
 - and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due on the same day each year

Condition 8: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 8.1:

The Compliance Certification activity will be performed for the Facility.

Item 8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 9: Recordkeeping requirements
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 9.1:

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 10: Open Fires - Prohibitions
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 215.2

Item 10.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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Item 10.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for

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those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 11: Maintenance of Equipment
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 200.7

Item 11.1:

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

Condition 12: Recycling and Salvage
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 12.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 13: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 13.1:

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

Condition 14: Exempt Sources - Proof of Eligibility
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 15: Trivial Sources - Proof of Eligibility
Effective between the dates of 07/13/2015 and 07/12/2020

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

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Item 15.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 16: Requirement to Provide Information Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (a) (4)

Item 16.1:

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

Condition 17: Right to Inspect Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (a) (8)

Item 17.1:

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

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

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

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

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

Condition 18: Off Permit Changes Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f) (6)

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Item 18.1:

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Accidental release provisions.
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 40 CFR Part 68

Item 20.1:

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

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

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Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 200.7

Item 22.1:

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

Emission Unit: U-00002 Process: GEN	Emission Point: 00002 Emission Source: GEN01
Emission Unit: U-00002 Process: GEN	Emission Point: 00003 Emission Source: GEN02
Emission Unit: U-00002 Process: GEN	Emission Point: 00004 Emission Source: GEN03
Emission Unit: U-00002 Process: GEN	Emission Point: 00005 Emission Source: GEN04

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a stationary CI internal combustion engine must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must do all of the

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following:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the facility

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 23.1:

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

Emission Unit: U-00002	Emission Point: 00002
Process: GEN	Emission Source: GEN01
Emission Unit: U-00002	Emission Point: 00003
Process: GEN	Emission Source: GEN02
Emission Unit: U-00002	Emission Point: 00004
Process: GEN	Emission Source: GEN03
Emission Unit: U-00002	Emission Point: 00005
Process: GEN	Emission Source: GEN04

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

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The five (4) diesel fuel emergency power generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-00002 are exempt from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6). All four (4) generators fire diesel fuel oil. All four (4)

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generators are large stationary internal combustion, lean burn, and compression ignition.

6 NYCRR 201-3.2(c)(6):

Emergency power generating stationary internal combustion engines as defined in 200.1(cq) and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing.

6 NYCRR 200.1(cq):

Emergency power generating stationary internal combustion engine. A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal combustion engine.

The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage for the purpose of complying with the 500 hours per year operating hours.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 24: Emission Unit Definition
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 24.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of four main mid-size low-NOx boilers. All four boilers are located in the

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Powerhouse and are dual-fuel fired, natural gas (Process GAS) as the primary fuel, and #6 fuel oil (Process OIL) as a back-up fuel prior to 7/1/2014 and #2 fuel oil (Process OL2) beginning 7/1/2014. Two of the four boilers (Emission Sources 0094A & 0094B) are new and are Babcock & Wilcox boilers and are rated at 94 MM Btu/hr each. The other two boilers (Emission Sources 0091A & 0091B) are existing Keeler boilers and are rated at 91 MM Btu/hr each. The emissions from all four boilers vent from one common stack, connected to the existing boilers, defined as Emission Point 00001.

Emission Point 00001, Processes OL2 & GAS, and Emission Sources 0091A, 0091B, 0094A & 0094B are associated with Emission Unit U-00001.

Building(s): 1

Item 24.2:

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 consists of four (4) engine generators, identified as Emission Sources ENG01, ENG02, ENG03 & ENG04. Previously, these four engines generators at Albert Einstein College of Medicine had participated in the CDRP (Coordinated Demand Reduction Program), emergencies, and stack testing, and were identified as CDRP1, CDRP2, CDRP3 and CDRP4. But, this minor modification is for the removal of these four engines from the CDRP in Emission Unit U-00002. These 4 engine generators are now identified as ENG01, ENG02, ENG03 & ENG04 in Emission Unit U-00002.

All four (4) engine generators; Engine generator identified as ENG01 in the Chanin Building, engine generator identified as ENG02 in the Ullmann Building, and engine generators identified as ENG03 & ENG04 in the Price Center Building fire diesel fuel oil (Process GEN). All 4 generators are large stationary internal combustion, lean burn, compression ignition and turbocharged (not naturally aspirated). Also, engines' cylinder size is below 10 liters per cylinder:

Price Center: Caterpillar 3516B, 4210 CID/16 cylinder = 263.125 CI per cylinder, 69.1 liter, 4.31875 liters per cylinder, and

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Ullmann Building: Caterpillar 3512, 3158 CID /12 cylinder
= 263.1666 CI per cylinder , 51.8 liters, 4.31666 liters
per cylinder.

The emissions from Emission Source ENG01 engine generator in the Chanin Building vent from its own separate stack, identified as Emission Point 00002. The emissions from Emission Source ENG02 engine generator in the Ullmann Building vent from its own separate stack, identified as Emission Point 00003. The emissions from Emission Sources ENG03 & ENG04 engine generators in the Price Center Building vent from two separate stacks, identified as Emission Points 00004 & 00005; respectively.

Emission Source ENG01 engine generator in the Chanin Building is a 900 kilowatts 1984 model year generator, Emission Source ENG02 engine generator in the Ullmann Building is a 1000 kilowatts 1984 model year generator, and Emission Sources ENG03 & ENG04 are both 2005 model year generators.

The four engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) will operate in case of emergencies, and each engine generator can run up to a maximum of 500 hours per year (PTE).

Building(s): 3
4
5

Item 24.3:

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

Emission Unit: U-00003

Emission Unit Description:

Emission Unit U-00003 consists of four (4) small-size Federal boilers, the two 4.1 MM Btu/hr each (Emission Sources BL41A & BL41B) in the Rousso Building and the two 8.4 MM Btu/hr each in the Rhinelander Building (Emission Sources BL84A & BL84B). Boiler BL41A operates on natural gas (Process NGP) only, Boiler BL41B operates on natural gas (Process NGP) as the primary

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fuel and on #2 fuel oil (Process NO2) as the back-up fuel, and Boilers BL84A & BL84B operate on dual fuel, natural gas (Process NGP) as the primary with #4 fuel oil (Process NO4) as the backup fuel. The emissions from Boilers BL41A & BL41B vent from one common stack in the Rousso Building, connected to these two boilers, defined as Emission Point 00006. The emissions from Boilers BL84A & BL84B vent from one common stack in the Rhinelander Building, connected to these two boilers, defined as Emission Point 00007.

Emission Points 00006 & 00007, Processes NGP, NO2 & NO6 and Emission Sources BL41A, BL41B, BL84A & BL84B are associated with Emission Unit U-00003.

Emission Unit U-00003 consists of four (4) small Federal boilers, each below 10 MM Btu/hr. They are:

E Source	Manufacturer	Building	Heat Input
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BL41A	Federal	Rousso	4.1 MM Btu/hr
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BL41B	Federal	Rousso	4.1 MM Btu/hr
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BL84A	Federal	Rhineland	8.4 MM Btu/hr
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BL84B	Federal	Rhineland	8.4 MM Btu/hr
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E Source	Process	E Point
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BL41A	NGP only	00006
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BL41B	NGP & NO2	00006
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BL84A	NGP & NO4	00007
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BL84B	NGP & NO4	00007
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Building(s): 6

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Condition 25: Progress Reports Due Semiannually
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)

Item 25.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 26: Facility Permissible Emissions
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 26.1:

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

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

CAS No: 007446-09-5	PTE: 1,164,924.3 pounds per year
Name: SULFUR DIOXIDE	

CAS No: 0NY210-00-0	PTE: 2,265,582.9 pounds per year
Name: OXIDES OF NITROGEN	

Condition 27: Capping Monitoring Condition
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 27.1:

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

6 NYCRR Subpart 202-2
40 CFR 52.21 (j)

Item 27.2:

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

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limits, terms, conditions and standards in this permit.

Item 27.3:

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

Item 27.4:

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

Item 27.5:

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

Item 27.6:

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

Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094B

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

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Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping the total SO₂ emissions at 140 tpy for the four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) for all four boilers referenced above. This will allow usage of natural gas and #2 ultra low fuel oil in any flexible combinations, but to remain below the 140 tpy of SO₂ emissions, as originally permitted.

According to 6 NYCRR 2251-1.2 (g), beginning July 1, 2014, the ultra low #2 distillate fuel oil allowed has a maximum of 0.0015 percent sulfur by weight. Prior to July 1, 2014, the facility was allowed to burn # 2 distillate fuel oil with a maximum of 0.20 percent sulfur by weight.

The four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) will fire natural gas (Process GAS) and #2 fuel oil (Process OL2) in a combination such that the total oxides of nitrogen (NO_x) emissions will remain under the 135 TPY and total sulfur dioxide (SO₂) emissions will remain below the 140 TPY. The maximum #2 ultra low fuel oil that can be used is 866 million gallons (if # 2 ultra low is used alone) and the maximum natural gas that can be used is 2,469 million cubic feet (if natural gas is used alone).

The SO₂ emissions from the two 94 MM Btu/hr each Babcock & Wilcox boilers (in the Powerhouse) - Emission Sources 0094A & 0094B, and the two 91 MM Btu/hr each Keeler boilers (also in the Powerhouse) - Emission Sources 0091A & 0091B are limited to 140 tons per year. The owner or operator shall maintain a record of the quantity of each fuel fired in these four mid-size boilers at the facility. The following formula will be used to calculate (based on the fuel quantity) the monthly SO₂ emission, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO₂ emission will be determined from the following equation:

$$Y = [(C \times D)] + (E \times F) / 2,000 < 140 \text{ tpy}$$

where

Y = Monthly four mid-size boilers SO₂

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emission;

C = the consumption of natural gas in the four mid-size boilers (million cubic feet);

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

E = the monthly consumption of number 2 ultra low fuel oil (1,000 gallons);

F = $142 \times S$ lbs SO₂ / 1,000 gallons burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);

A rolling 12-month tally will be maintained to ensure compliance with the 140 tpy limit.

The maximum natural gas that can be used is 2,469 million cubic feet (if gas is used alone). The maximum #2 ultra low fuel oil that can be used is 866 million gallons (if #2 ultra low fuel oil is used alone).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 140 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 28: Capping Monitoring Condition

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 28.1:

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:

6 NYCRR Subpart 202-2

6 NYCRR Subpart 231-2

Item 28.2:

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

Item 28.3:

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.

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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 28.4:

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 28.5:

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 28.6:

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

Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094B

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

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping the total NO_x emissions at 135 tpy for the four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) for all four boilers referenced above. This will allow usage of natural gas and #2 fuel oil in any flexible combinations, but to remain below the 135 tpy of NO_x emissions, as originally permitted.

The four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) fire natural gas (Process GAS) and #2 ultra low fuel oil (Process OL2) in a combination such that the total oxides of nitrogen (NO_x) emissions will remain under the 135 TPY and total sulfur dioxide (SO₂) emissions will remain below the 140 TPY. The maximum #2 ultra low fuel oil that can be used is 866 million gallons (if #2 ultra low fuel oil is used alone), and the maximum natural gas that can be used is 2,469 million cubic feet (if natural gas is used alone).

The NO_x emissions from the two 94 MM Btu/hr each Babcock & Wilcox boilers (in the Powerhouse) - Emission Sources 0094A & 0094B, and the two 91 MM Btu/hr each Keeler boilers (also in the Powerhouse) - Emission Sources 0091A & 0091B are limited to 135 tons per year.

The facility is capping the total NO_x emissions at 135 tpy as well as the new NO_x RACT limits of 0.20 lbs/MM Btu (effective July 1, 2014) for the four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) due to the fuel-switching condition (6 NYCRR 227-2.5 (a)) as compared with the 0.08 pounds of NO_x per million Btus in 6 NYCRR 227-2.4 (c) (1) (ii) for the four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B).

The facility will use the emission factors from the latest stack test conducted. Using a heating value of 1,037 Btu/SCF for natural gas and 140,000 Btu/gal for #2 fuel oil, the facility will calculate the emission factors for the four boilers and comply with the NO_x emission limit of 135 tpy.

The NO_x (oxides of nitrogen) emissions for the four main mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) are capped at 135 tons per year. The owner or operator shall maintain a record of the quantity of each fuel fired in these four mid-size boilers at the facility. Also, the owner or operator shall calculate the NO_x emission (based on the fuel quantity) using the following

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formula:

$$G91A(86.2) + D91A(\text{EF distillate in lbs/gal}) + G91B(89.7) + D91B(\text{EF distillate in lbs/gal}) + G94A(89.8) + D94A(\text{EF distillate in lbs/gal}) + G94B(72.3) + D94B(\text{EF Distillate in lbs/gal}) < 270,000 \text{ lbs/yr of Oxides of Nitrogen emissions.}$$

Where:

G91A = 12-month rolling total of natural gas fired in Boiler 91A in MMSCF/yr
D91A = 12-month rolling total of distillate oil fired in Boiler 91A in gals/yr
G91B = 12-month rolling total of natural gas fired in Boiler 91B in MMSCF/yr
D91B = 12-month rolling total of distillate oil fired in Boiler 91B in gals/yr
G94A = 12-month rolling total of natural gas fired in Boiler 94A in MMSCF/yr
D94A = 12-month rolling total of distillate oil fired in Boiler 94A in gals/yr
G94B = 12-month rolling total of natural gas fired in Boiler 94B in MMSCF/yr
D94B = 12-month rolling total of distillate oil fired in Boiler 94B in gals/yr

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

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 7/30/2016.

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

Condition 92: Visible Emissions Limited
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 211.2

Item 92.1:

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

Condition 30: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

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Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (g)

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion

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installation that fire distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit

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these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 225-1.6

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§225-1.6 Reports, sampling, and analysis.

(a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.

(b) (1) Any person who sells oil and/or coal must retain, for at least five years, records containing the following information:

(i) fuel analyses and data on the quantities of all oil and coal received; and

(ii) the names of all purchasers, fuel analyses, and data on the quantities of all oil and coal sold.

(2) Such fuel analyses must contain, as a minimum:

(i) data on the sulfur content, ash content, specific gravity, and heating value of residual oil;

(ii) data on the sulfur content, specific gravity, and

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heating value of distillate oil; and

(iii) data on the sulfur content, ash content, and heating value of coal.

(c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.

(d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.

(e) Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the department, and must be retained for at least five years. The owner of a Title V facility must furnish to the department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the department.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 34: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 225.7 (a)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 35: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired combustion boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each combustion boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 36: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: U-00002
Process: GEN

Emission Point: 00002
Emission Source: GEN01

Emission Unit: U-00002
Process: GEN

Emission Point: 00003
Emission Source: GEN02

Emission Unit: U-00002
Process: GEN

Emission Point: 00004
Emission Source: GEN03

Emission Unit: U-00002
Process: GEN

Emission Point: 00005
Emission Source: GEN04

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard

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is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 37: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point

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- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 38: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091A

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Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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



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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 39.1:

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

Emission Unit: U-00002	Emission Point: 00002
Process: GEN	Emission Source: GEN01
Emission Unit: U-00002	Emission Point: 00003
Process: GEN	Emission Source: GEN02
Emission Unit: U-00002	Emission Point: 00004
Process: GEN	Emission Source: GEN03
Emission Unit: U-00002	Emission Point: 00005
Process: GEN	Emission Source: GEN04

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

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there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 40: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

The Department reserves the right to perform or require

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the performance of a Method 9 opacity evaluation at any time during facility operation.

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

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 41: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: GAS

Emission Source: 0091A

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Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0094B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Regulated Contaminant(s):

CAS No: 0091B-00-0 OXIDES OF NITROGEN

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Albert Einstein College of Medicine (AECOM) is required to perform testing the four mid-size boilers, the two 91 MM Btu/hr each Keeler boilers (Emission Sources 0091A & 0091B), and the two 94 MM Btu/hr each Babcock & Wilcox boilers (Emission Sources 0094A & 0094B) to verify the NO_x emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All four boilers operate on natural gas (Process GAS) and on #2 fuel oil (Process OL2). Process OL2 replaced #6 fuel oil (Process OL6) which began just prior to 7/1/2014 when Process OL6 terminated.

This condition applies to distillate oil/gas fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation

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listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on July, 1 2014.

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a new limit of 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

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

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 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 four mid-size boilers, the two 91 MM Btu/hr each Keeler boilers (Emission Sources 0091A & 0091B), and the two 94 MM Btu/hr each Babcock & Wilcox boilers (Emission Sources 0094A & 0094B) to verify the NOx emission limit compliance.

2014 NOx RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For

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example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MMBtu upon switching to # 2 fuel oil/gas and not the 0.08 lb/MMBtu which is for the #2 fuel oil.

Compliance with the 0.20 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6 (a) (3) (i) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6 (a) (3) (ii) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6 (b) of this Subpart apply, including the use of a 24 hour averaging period.

Please see related Condition # 43 for 6 NYCRR 227-2.5 (a).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A, Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2016.

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

Condition 42: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003
Process: NGP

Emission Point: 00006
Emission Source: BL41A

Emission Unit: U-00003
Process: NGP

Emission Point: 00006
Emission Source: BL41B

Emission Unit: U-00003
Process: NGP

Emission Point: 00007
Emission Source: BL84A

Emission Unit: U-00003
Process: NGP

Emission Point: 00007
Emission Source: BL84B

Emission Unit: U-00003
Process: NO2

Emission Point: 00006
Emission Source: BL41B



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Emission Unit: U-00003
Process: NO4

Emission Point: 00007
Emission Source: BL84A

Emission Unit: U-00003
Process: NO4

Emission Point: 00007
Emission Source: BL84B

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

This condition applies to the four (4) small Federal boilers, the two 4.1 MM Btu/hr each (Emission Sources BL41A & BL41B) in the Rousso Building and the two 8.4 MM Btu/hr each in the Rhinelander Building (Emission Sources BL84A & BL84B).

Small boiler is a boiler with a maximum heat input capacity equal to or greater than one million Btu per hour and equal to or less than 25 million Btu per hour.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 43: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0091A

Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0091B

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Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: GAS

Emission Point: 00001
Emission Source: 0094B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Regulated Contaminant(s):
CAS No: 00Y210-00-0 OXIDES OF NITROGEN

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

2014 NOx RACT rule Plan - Fuel Switching Compliance
Option:

This condition applies to the four mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B). The two 94 MM Btu/hr each (Emission sources 0094A & 0094B) are Babcock & Wilcox boilers. The other two boilers (Emission Sources 0091A & 0091B) are Keeler boilers and are rated at 91 MM Btu/hr each.

A mid-size boiler is defined as a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

The owner or operator of a mid-size boiler must comply with the relevant presumptive RACT emission limit of 0.08 pounds per million BTUs beginning July 1, 2014 for mid-size boilers operating on natural gas/#2 distillate fuel oil.

To meet this limitation, the facility has elected to use the Fuel Switching Option: The owner or operator of an emission source subject to this Subpart may commit to burning cleaner fuel between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NOx emissions equal to or less than the NOx

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emissions expected if the emission source complied with the presumptive RACT emission limit of 0.20 lb/MM Btu as set forth in 6 NYCRR 227-2.4 (c) (1) (ii).

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler currently firing #6 fuel oil/gas will require to meet 0.2 lbs/MMBtu upon switching to # 2 fuel oil/gas and not the 0.08 lb/MMBtu which is for the #2 fuel oil. The fuel switching compliance option applies to existing boilers that switch to a cleaner fuel such as switching from #6 fuel oil to #2 fuel oil, and Emission Sources 0094A, 0094B, 0091A & 0091B are all existing boilers.

In order to comply with the NOx RACT, the facility will be operated in accordance with the fuel switching option found in 6 NYCRR 227-2.5 (a). The facility will only burn natural gas (Process GAS) beginning July 1, 2014, not only during the period of May 1st to September 30th but throughout the year. Therefore, the facility meets the RACT emission limit of 0.20 lbs NOx/MM Btu as stated in 6 NYCRR 227-2.4 (c)(1)(ii) for mid-size boilers, by taking the annual average of NOx emissions per MM Btu.

The 0.20 lbs/MM Btu NOx emission limit does not apply to new installed boilers. This condition applies only to existing four mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) in Emission Unit U-00001) that switched from firing # 6 residual fuel oil to #2 distillate fuel oil.

Please see related Condition # 41 for 6 NYCRR 227-2.4(c)(1)(ii).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A, Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2016.

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

Condition 44: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 44.1:

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

Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094B

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

The owner/operator of mid-size boilers (>25 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 25 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.



This condition applies to the two 91 MM Btu/hr Keeler each boilers (Emission Sources 0091A & 0091B), and the two 94 MM Btu/hr Babcock & Wilcox each boilers (Emission Sources 0094A & 0094B). The four mid-size boilers shall perform testing to verify NO_x emissions to demonstrate compliance with this part. The NO_x RACT for boilers operating on distillate oil/gas is a limit of 0.08 pounds per million Btu per hour beginning July 1, 2014.

2014 NO_x RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NO_x emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MMBtu upon switching to # 2 fuel oil/gas and not the 0.08 lb/MMBtu which is for the #2 fuel oil.

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

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 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, or by performing the applicable monitoring procedure detailed below:

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(ii) monitored with a CEMS as described in subdivision (b) of this section or with an equivalent monitoring system approved by the department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 7, or 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 45: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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

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

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

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

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the four mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B - the two 91 MM Btu/hr Keeler each boilers the 94 MM Btu/hr Babcock & Wilcox, and the two 94 MM Btu/hr Babcock & Wilcox each boilers; respectively) to verify the NO_x emissions limit compliance. The four mid-size boilers operate on distillate oil and natural gas (Process OL2).

The owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil have a limit of 0.08 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

2014 NO_x RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NO_x emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MMBtu upon switching to # 2 fuel oil/gas and not the 0.08 lb/MMBtu which is for the #2 fuel oil.

Any owner or operator of a combustion source subject to reasonably available control technology (RACT) requirements, under this subdivision, for NO_x and either is required or opts to employ a continuous emissions monitoring system (CEMS) must:

1. Submit a CEMS monitoring plan for approval by the Department,
2. Submit a CEMS certification protocol,
3. Meet CEMS monitoring requirements as detailed in this paragraph of this subdivision, and
4. Meet CEMS recordkeeping and reporting requirements as detailed in this paragraph of this subdivision.

This facility is required to comply with the testing, monitoring, and reporting requirements of 6NYCRR Part 227-2.6(b) if the facility chooses to opt out of the stack testing as per 6 NYCRR 227-2.4 (c) (1) (ii).

This condition applies to the four mid-size boilers, the two 91 MM Btu/hr Keeler each boilers (Emission Sources 0091A & 0091B), and the two 94 MM Btu/hr Babcock & Wilcox each boilers (Emission Sources 0094A & 0094B) operating on

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distillate oil/gas (Process OL2).

Manufacturer Name/Model Number: CEMS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 7, or 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2015.

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

Condition 46: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: GAS	Emission Point: 00001 Emission Source: 0094B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094B

Regulated Contaminant(s):

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

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Albert Einstein College of Medicine is required to perform testing the mid-size boiler (Emission Source 0094B - the 94 MM Btu/hr Babcock & Wilcox boiler) to verify the NOx emissions limit compliance. The 94 MM Btu/hr Babcock & Wilcox boiler operates on natural gas (Process GAS) and distillate oil (Process OL2).

The owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on natural gas and distillate oil have a limit of 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

2014 NOx RACT rule Plan - Fuel Switching Compliance
Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MMBtu upon switching to # 2 fuel oil/gas and not the 0.08 lb/MMBtu which is for the #2 fuel oil.

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

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 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.

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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 four mid-size boilers, the two 91 MM Btu/hr Keeler each boilers (Emission Sources 0091A & 0091B), and the two 94 MM Btu/hr Babcock & Wilcox each boilers (Emission Sources 0094A & 0094B) operating on distillate oil (Process OL2) and natural gas (Process GAS).

The NOx emission limit of 0.20 pounds per million Btus for the four mid-size boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) operating on distillate oil/ gas must be verified by a stack testing during the term of the permit.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 7, or 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 1/30/2016.

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

Condition 47: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Regulated Contaminant(s):

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CAS No: 0NY075-00-0 PARTICULATES

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement: 40CFR 60.8, NSPS Subpart A

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 48.2:

Compliance Certification shall include the following monitoring:

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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 49: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

This condition applies to the two 91 MM Btu/hr Keeler boilers (Emission Sources 0091A & 0094B), and the two 94 MM Btu/hr Babcock & Wilcox boilers (Emission Sources 0094A & 0094B)).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 50: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

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

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

40 CFR 60-Dc.40c, NSPS which limits the sulfur content in the oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2, which limits the sulfur content in the distillate fuel oil to 0.0015 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 0.0015 percent by weight sulfur content limit in distillate fuel oil as per 6 NYCRR 225-1.2 which has more stringent limit for New York City than 40 CFR 60-Dc.40c, NSPS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: PER DELIVERY

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 51: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust distillate fuel oil with a sulfur content in excess of 0.0015 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2, which limits the sulfur content in the distillate fuel oil to 0.0015 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 0.0015 percent by weight sulfur content limit in distillate fuel oil as per 6 NYCRR 225-1.2, which has more stringent limit for New York City than 40 CFR 60-Dc.42c(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 52: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 52.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: OL2

Emission Source: 0091A

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Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h). Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60.48c(f)(1), (2) and (3) as applicable.

40 CFR 60-Dc.42c(h), NSPS which limits the sulfur content in the oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2, which limits the sulfur content in the distillate fuel oil to 0.0015 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 0.0015 percent by weight sulfur content limit in distillate fuel oil as per 6 NYCRR 225-1.2, which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

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Condition 53: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 53.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

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

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

40 CFR 60-Dc.46c(d)(2), NSPS which limits the sulfur content in the oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2, which limits the sulfur content in the distillate fuel oil to 0.0015 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 0.0015 percent by weight sulfur content limit in

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distillate fuel oil as per 6 NYCRR 225-1.2, which has more stringent limit for New York City than 40 CFR 60-Dc.46c(d)(2), NSPS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 54: Applicability

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 54.1:

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 55: Compliance and Enforcement

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 55.1:

The Department has not accepted delegation of 40 CFR Part 60 Subpart IIII. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart IIII during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 56: Applicability

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 56.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 57: Compliance and Enforcement

Effective between the dates of 07/13/2015 and 07/12/2020

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Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 57.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 58: Engines at Area sources of HAP
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 58.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

Condition 59: Emission Point Definition By Emission Unit
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 59.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 225

Diameter (in.): 144

NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 1

Item 59.2:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 133

Diameter (in.): 12

NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 3

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Emission Point: 00003
Height (ft.): 10 Diameter (in.): 12
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 4

Emission Point: 00004
Height (ft.): 128 Diameter (in.): 16
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 5

Emission Point: 00005
Height (ft.): 128 Diameter (in.): 16
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 5

Item 59.3:

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

Emission Unit: U-00003

Emission Point: 00006
Height (ft.): 63 Diameter (in.): 20
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 6

Emission Point: 00007
Height (ft.): 63 Diameter (in.): 20
NYTMN (km.): 4522.523 NYTME (km.): 597.233 Building: 7

Condition 60: Process Definition By Emission Unit
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 60.1:

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

Emission Unit: U-00001
Process: GAS Source Classification Code: 1-03-006-02
Process Description:

Process GAS is the firing of natural gas (primary fuel) in the four mid-size low-NOx boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) in Emission Unit U-00001. All four boilers are located in the Powerhouse and are dual-fuel fired, natural gas and #6 fuel oil prior to 7/1/2014 and #2 fuel oil beginning 7/1/2014. Two of the four boilers (Emission Sources 0094A & 0094B) began operating on 12/1/2006, are Babcock & Wilcox boilers and are rated at 94 MM Btu/hr each. The other two boilers (Emission Sources 0091A & 0091B) are Keeler boilers and began operating in 1967 & 1970; respectively and are rated at 91 MM Btu/hr each. The emissions from all four boilers vent from one common stack, connected to the existing boilers, and identified as Emission Point 00001.

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Emission Unit U-00001, Emission Point 00001 and Emission Sources 0091A, 0091B, 0094A & 0094B are associated with Processes GAS & OL2.

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

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

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

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

Item 60.2:

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

Emission Unit: U-00001

Process: OL2

Source Classification Code: 1-03-004-02

Process Description:

Process OL2 is the firing of #2 fuel oil (secondary fuel) in the four mid-size low-NOx boilers (Emission Sources 0091A, 0091B, 0094A & 0094B) in Emission Unit U-00001. Process OL2 began on 7/1/2014 at which time #6 fuel oil uage (Process OL6) terminated. All four boilers are located in the Powerhouse and are dual-fuel fired, natural gas and #2 fuel oil. Two of the four boilers (Emission Sources 0094A & 0094B) began operating on 12/1/2006, are Babcock & Wilcox boilers and are rated at 94 MM Btu/hr each. The other two boilers (Emission Sources 0091A & 0091B) are Keeler boilers and began operating since 1967 & 1970; respectively. and are rated at 91 MM Btu/hr each. The emissions from all four boilers vent from one common stack, connected to the existing boilers, and identified as Emission Point 00001.

Emission Unit U-00001, Emission Point 00001 and Emission Sources 0091A, 0091B, 0094A & 0094B are associated with Processes GAS & OL2.

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

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

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

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

Item 60.3:

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

Emission Unit: U-00002

Process: G01

Source Classification Code: 2-02-004-01

Process Description:

Process G01 is the firing of diesel fuel oil in the engine generator identified as Emission Sources GEN01 in Emission Unit U-00002. The emissions from Emission Source GEN01 generator vent from its own separate stack, identified as Emission Point 00002.

The 900 KW Caterpillar/D399 generator is located in the Chanin Building, identified as Emission Source GEN01, is to be used for emergency only and is limited to operating a maximum of 500 hours each per year. The GEN01 engine generator is 1984 Model year, large stationary internal combustion, lean burn, and compression ignition.

Emission Source/Control: GEN01 - Combustion

Design Capacity: 900 kilowatts

Item 60.4:

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

Emission Unit: U-00002

Process: G02

Source Classification Code: 2-02-004-01

Process Description:

Process G02 is the firing of diesel fuel oil in the engine generator identified as Emission Source GEN02 in Emission Unit U-00002. The emissions from Emission Source GEN02 generator vent from its own separate stack, identified as Emission Point 00003.

The 1000 KW Caterpillar/3512 generator is located in the Ullmann Building, identified as Emission Source GEN02, is to be used for emergency only and is limited to operating a maximum of 500 hours each per year. The GEN01 engine generator is 1984 Model year, large stationary internal combustion, lean burn, and compression ignition.

Emission Source/Control: GEN02 - Combustion

Design Capacity: 1,000 kilowatts

Item 60.5:

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

Emission Unit: U-00002

Process: G34

Source Classification Code: 2-02-004-01

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Process Description:

Process G34 is the firing of diesel fuel oil in the two engine generators identified as Emission Source GEN03 & GEN04 in Emission Unit U-00002. The emissions from Emission Sources GEN03 & GEN04 engine generators vent from two separate stacks, identified as Emission Points 00004 & 00005; respectively.

The 1750 KW Caterpillar/3516 each generators are located in the Price Center Building, identified as Emission Sources GEN03 & GEN04, are to be used for emergency only and are limited to operating a maximum of 500 hours each per year. These two engine generators are 2005 Model year, large stationary internal combustion, lean burn, and compression ignition.

Emission Source/Control: GEN03 - Combustion

Design Capacity: 1,750 kilowatts

Emission Source/Control: GEN04 - Combustion

Design Capacity: 1,750 kilowatts

Item 60.6:

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

Emission Unit: U-00002

Process: GEN

Source Classification Code: 1-03-005-02

Process Description:

Process GEN is the firing of diesel fuel oil in the four engine generators identified as Emission Sources ENG01, ENG02, ENG03 & ENG04 in Emission Unit U-00002. The emissions from Emission Sources ENG01, ENG02, ENG03 & ENG04 engine generators vent from four separate stacks, identified as Emission Points 00002, 00003, 00004 & 00005; respectively.

The 900 KW Caterpillar/D399 engine generator is located in the Chanin Building, identified as Emission Source ENG01, operates during emergency and is 1984 Model year, large stationary internal combustion, lean burn, and compression ignition.

The 1000 KW Caterpillar/3512 engine generator is located in the Ullmann Building, identified as Emission Source ENG02, operates during emergency and is 1984 Model year, large stationary internal combustion, lean burn, and compression ignition.

The 1750 KW Caterpillar/3516 each engine generators are located in the Price Center Building, identified as Emission Sources ENG03 & ENG04, operate during emergency and are 2005 Model year, large stationary internal

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combustion, lean burn, and compression ignition.

The emissions from Emission Source ENG01 generator vent from its own separate stack, identified as Emission Point 00002. The emissions from Emission Source ENG02 engine generator vent from its own separate stack, identified as Emission Point 00003. The emissions from Emission Source ENG03 engine generator vent from its own separate stack, identified as Emission Point 00004. The emissions from Emission Source ENG04 engine generator vent from its own separate stack, identified as Emission Point 00005.

The four engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) operate in case of emergencies, and each engine generator can run up to a maximum of 500 hours per year (PTE).

Emission Source/Control: GEN01 - Combustion
Design Capacity: 900 kilowatts

Emission Source/Control: GEN02 - Combustion
Design Capacity: 1,000 kilowatts

Emission Source/Control: GEN03 - Combustion
Design Capacity: 1,750 kilowatts

Emission Source/Control: GEN04 - Combustion
Design Capacity: 1,750 kilowatts

Item 60.7:

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

Emission Unit: U-00003

Process: NGP

Source Classification Code: 1-03-006-03

Process Description:

Process NGP is the firing of natural gas in the four (4) small Federal boilers in Emission Unit U-00003, the two 4.1 MM Btu/hr each in the Russo Building (Emission Sources BL41A & BL41B), and the two 8.4 MM Btu/hr each in the Rhinelander Building (Emission Sources BL84A & BL84B). Boiler BL41A operates on natural gas (Process NGP) only, Boiler BL41B operates on natural gas (Process NGP) as the primary fuel and on #2 fuel oil (Process NO2) as the back-up fuel, and Boilers BL84A & BL84B operate on dual fuel, natural gas (Process NGP) as the primary with #4 fuel oil (Process NO4) as the backup fuel.

The emissions from Boilers BL41A & BL41B vent from one common stack in the Rousso Building, connected to these two boilers, identified as Emission Point 00006.

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The emissions from Boilers BL84A & BL84B vent from one common stack in the Rhinelander Building, connected to these two boilers, identified as Emission Point 00007.

Emission Points 00006 & 00007, Processes NGP, NO2 & NO4 and Emission Sources BL41A, BL41B, BL84A & BL84B are associated with Emission Unit U-00003.

Emission Source/Control: BL41A - Combustion
Design Capacity: 4.1 million Btu per hour

Emission Source/Control: BL41B - Combustion
Design Capacity: 4.1 million Btu per hour

Emission Source/Control: BL84A - Combustion
Design Capacity: 8.4 million BTUs per hour

Emission Source/Control: BL84B - Combustion
Design Capacity: 8.4 million Btu per hour

Item 60.8:

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

Emission Unit: U-00003

Process: NO2

Source Classification Code: 1-02-005-03

Process Description:

Process NO2 is the firing of distillate fuel oil (#2 fuel oil) in the 4.1 MM Btu/hr small Federal boiler in the Russo Building (Emission Source BL41B). The emissions from Boilers BL41A & BL41B vent from one common stack in the Russo Building, connected to these two boilers, identified as Emission Point 00006.

Boiler BL41B operates on natural gas (Process NGP) as the primary fuel and on #2 fuel oil (Process NO2) as the back-up fuel.

Emission Points 00006 & 00007, Processes NGP, NO2 & NO4 and Emission Sources BL41A, BL41B, BL84A & BL84B are associated with Emission Unit U-00003.

Emission Source/Control: BL41B - Combustion
Design Capacity: 4.1 million Btu per hour

Item 60.9:

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

Emission Unit: U-00003

Process: NO4

Source Classification Code: 1-03-005-04

Process Description:

Process NO4 is the firing of distillate fuel oil (# 4 fuel oil) in the two 8.4 MM MBtu/hr each Federal boilers

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(Emission Sources BL84A & BL84B) in Emission Unit U-00003 in the Rhinelander Building.

Boilers BL84A & BL84B operate on dual fuel, on natural gas (Process NGP) as the primary fuel and on # 4 fuel oil (Process NO4) as the backup fuel.

The emissions from Boilers BL41A & BL41B vent from one common stack in the Rouso Building, connected to these two boilers, identified as Emission Point 00006.

The emissions from Boilers BL84A & BL84B vent from one common stack in the Rhinelander Building, connected to these two boilers, identified as Emission Point 00007.

Emission Points 00006 & 00007, Processes NGP, NO2 & NO4 and Emission Sources BL41A, BL41B, BL84A & BL84B are associated with Emission Unit U-00003.

Emission Source/Control: BL84A - Combustion
Design Capacity: 8.4 million BTUs per hour

Emission Source/Control: BL84B - Combustion
Design Capacity: 8.4 million Btu per hour

Condition 61: Process Permissible Emissions
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 61.1:

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

Emission Unit:	U-00002	Process:	G01
CAS No:	007446-09-5		
Name:	SULFUR DIOXIDE		
PTE(s):	1.818 pounds per hour		15,926 pounds per year
Emission Unit:	U-00002	Process:	G02
CAS No:	007446-09-5		
Name:	SULFUR DIOXIDE		
PTE(s):	2.02 pounds per hour		17,695 pounds per year
Emission Unit:	U-00002	Process:	G34

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CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 7.07 pounds per hour

61,933 pounds per year

Emission Unit: U-00002

Process: G01

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 22.302 pounds per hour

195,366 pounds per year

Emission Unit: U-00002

Process: G02

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 15.34 pounds per hour

134,378 pounds per year

Emission Unit: U-00002

Process: G34

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 54.723 pounds per hour

479,369 pounds per year

Condition 62: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: GAS

Emission Source: 0094B

Item 62.2:

Compliance Certification 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 1/30/2016.

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

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**Condition 63: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement: 40 CFR 60, NSPS Subpart A

Item 63.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 63.2:

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 64: EPA Region 2 address.
Effective between the dates of 07/13/2015 and 07/12/2020**

Applicable Federal Requirement: 40 CFR 60.4, NSPS Subpart A

Item 64.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 64.2:

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 65: Date of construction notification - If a COM is not used.
Effective between the dates of 07/13/2015 and 07/12/2020**

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

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Item 65.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 65.2:

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

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

Condition 66: Date of Construction Notification - if a COM is used.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 66.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 66.2:

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;

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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 67: Recordkeeping requirements.

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 67.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 67.2:

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 68: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 68.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091B

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Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 69: Excess Emissions Report

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 69.1:

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This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 69.2:

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 70: Facility files for subject sources.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 70.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 70.2:

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 71: Performance testing timeline.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 71.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 71.2:

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 72: Performance test methods.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 72.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

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Item 72.2:

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 73: Required performance test information.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 73.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 73.2:

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 74: Prior notice.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 74.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 74.2:

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

Condition 75: Performance testing facilities.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 75.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 75.2:

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

- 1) sampling ports adequate for tests methods applicable to such facility;

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- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 76: Number of required tests.
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 76.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 76.2:

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

Condition 77: Availability of information.
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 77.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 77.2:

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 78: Opacity standard compliance testing.
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 78.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 78.2:

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

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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 79: Circumvention.

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 79.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 79.2:

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 80: Monitoring requirements.

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 80.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 80.2:

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

Condition 81: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 81.1:

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

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0091B

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094A

Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of this part before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of this part. 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 paragraph (c) of this section at least 10 days before the performance test required under §60.8 is conducted.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 82: Compliance Certification

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Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 82.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

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

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish

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the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 83: Modifications.

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 83.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 83.2:

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 84: Reconstruction.

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 84.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: OL2 Emission Source: 0091A

Item 84.2:

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

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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 85: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 85.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

Item 85.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 86.1:

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

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

Regulated Contaminant(s):
CAS No: 000000-00-0 PARTICULATES

Item 86.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an affected facility that combusts 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
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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Permit ID: 2-6005-00133/00002

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The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 87: Compliance Certification
Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 87.1:

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

Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0091B
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094A
Emission Unit: U-00001	Emission Point: 00001
Process: OL2	Emission Source: 0094B

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

Item 87.2:

Compliance Certification 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.
- iii) The sulfur content or maximum sulfur content of the oil.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 88: Compliance Certification

Air Pollution Control Permit Conditions

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Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 88.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094B

Item 88.2:

Compliance Certification 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 1/30/2016.

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

Condition 89: Compliance Certification

Effective between the dates of 07/13/2015 and 07/12/2020

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

Item 89.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091A
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0091B
Emission Unit: U-00001 Process: OL2	Emission Point: 00001 Emission Source: 0094A

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Emission Unit: U-00001
Process: OL2

Emission Point: 00001
Emission Source: 0094B

Item 89.2:

Compliance Certification 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.

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 1/30/2016.

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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

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

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

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

Item B: 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

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standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 90: Contaminant List

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable State Requirement:ECL 19-0301

Item 90.1:

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

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

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

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

Condition 91: Malfunctions and start-up/shutdown activities

Effective between the dates of 07/13/2015 and 07/12/2020

Applicable State Requirement:6 NYCRR 201-1.4

Item 91.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

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(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 29: Air pollution prohibited
Effective between the dates of 07/13/2015 and 07/12/2020

Applicable State Requirement:6 NYCRR 211.1

Item 29.1:

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.