



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 2-6005-00011/00009
Effective Date: 09/01/2015 Expiration Date: 08/31/2025

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

Contact: BEAU SCELZA
JACOBI MEDICAL CENTER
1400 PELHAM PKWY S
BRONX, NY 10461
(718) 918-3578

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

Contact: GERARD WOODS
JACOBI MEDICAL CENTER
1400 PELHAM PKWY S
BRONX, NY 10461
(718) 918-3854

Description:

PERMIT DESCRIPTION
NYC-HH - Jacobi Medical Center
DEC ID # 2-6005-00011/00009 (ASF)

Application for an Air State Facility.

NYC-HH - Jacobi Medical Center (JMC) is currently permitted as a Title V facility to operate four 30 MM Btu/hr each Johnston boilers (operating on natural gas & #2 fuel oil), two 10.46 MM Btu/hr each York Shipley boilers (operating on natural gas only), two 4.47 MM Btu/hr each Weil-McLain boilers (operating on natural gas & #2 fuel oil), two 1.68 MM Btu/hr each York Shipley boilers (operating on natural gas & #2 fuel oil), two (2) identical Steris EtO sterilizers with one common Amsco Eagle abator, eleven (11) emergency generators, eighteen (18) fuel oil storage tanks and several laboratory fume hoods.

In order to comply with the 2014 NOx RACT regulations that require reducing the NOx emission rate to 0.08 lbs/MMBtu, the facility is planning to downgrade the permit level from a Title V permit to an Air State Facility permit by capping the annual rolling NOx emissions to below 25 tons per year. The decision is based on past years of fuel consumption and therefore, the NOx emissions have been well below 25 tpy.

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



There are no other changes to the equipment (source of emissions) inventory or operations at the facility.

Accordingly, this application is being submitted for an Air State Facility permit for NYC-HH - Jacobi Medical Center, DEC ID # 2-6005-00011/00009.

The facility has not made any changes to their existing plant in terms of emission sources or processes in the past five (5) years. NYC-HH - Jacobi Medical Center (JMC) owns and operates four 30 MM Btu/hr each Johnston Pftar Boilers, two EtO Amsco Eagle sterilizers, two 10.46 MM Btu/hr each York Shipley boilers, two 4.47 MM Btu/hr each Weil-McClain, two 1.68 MM Btu/hr each York Shipley boilers, eleven (11) turbo charged diesel-fired emergency generators (not naturally aspirated), eighteen (18) fuel oil storage tanks, and several laboratory fume hoods.

The facility includes the following emission sources:

- (i) Four re-designated as "mid-size" boilers from "small" boilers, rated at 30 MM Btu/hr each Johnston Pftar boilers - Emission Sources ES001, ES002, ES003 & ES004 at the Jacobi Main Building, operating on natural gas (Process NG1) and # 2 fuel oil (Process OL2).
- (ii) Two 10.46 MM Btu/hr each York Shipley boilers - Emission Sources S0010 & S0011 at the Ambulatory Building, operating on natural gas (Process NG2) only, and
- (iii) Four re-designated as "small" boilers from "exempt" boilers each (less than 10 MM Btu/hr):
 - (a) Two 4.47 MM Btu/hr each Weil-McLain boilers - Emission Sources ES021 & ES022 at the Store House, operating on natural gas (Process NG3) and # 2 fuel oil (Process OL3), and
 - (b) Two 1.68 MM Btu/hr each York Shipley boilers - Emission Sources ES023 & ES024 at the Staff House, operating on natural gas (Process NG3) and # 2 fuel oil (Process OL3).
- (iv) Two EtO AMSCO Eagle 3017 sterilizers (one replacement and the other is new) and one new abator - Emission Sources/Control ES007, ES008 & ES009 at the Sterile Building.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including eleven (11) turbo charged diesel-fired emergency power generators (<500 hours/yr), eighteen (18) distillate fuel oil storage tanks with storage capacities <300,000 bbls; and several ventilating and exhaust system for laboratory operations.

Below is a list of the eleven (11) turbo charged diesel-fired emergency power generators at NYC-HH - Jacobi Medical Center.

Manufacturer	Building	Year of Installation	Model	KW
Caterpillar	1-Generator A	2010	C-32	1000
Caterpillar	1-Generator B	2010	C-32	1000
Caterpillar/Baylor	1-Generator C	1998	3512	1150
Caterpillar/Baylor	1-Generator D	1998	3512	1150

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Cummins	6-Generator 1	2005	QST30G3	900
Cummins	6-Generator 2	2005	QST30G3	900
Cummins	6-Generator 3	2005	QST30G3	900
Generac	8-Generator 1	2008	572RSL4025	505
Detroit Diesel	4 Nurses Residence	2012	R1637K06	1000
Cummins	4 Rotunda	2001	6CTAA8.3-G1	200
Cummins	2 Staff House	1995	LTA-10G1	250

Out of the eleven (11) generators, two generators are 2010 model (post 2006 models). The PTE for each of these two generators based on 500 hrs/day is 7,049 lbs/yr, and for both engines, the PTE is 14,098 lbs/yr. Each engine operates about 52 hrs/yr, the actual emissions for each of these engines is 733 lbs/engine, and for both engines, the actual emissions is 1,467 hrs/yr. The facility's emissions of CAS # 0NY508000 for 40 CFR 60 SUBPART IIII - NMHC + NOX is for the two generators that are post 2006 models, which are 2010 models.

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 ******
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

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

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Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

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

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

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

Permit Effective Date: 09/01/2015

Permit Expiration Date: 08/31/2025



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 202-2.5: Recordkeeping requirements
- 3 6 NYCRR 215.2: Open Fires - Prohibitions
- 4 6 NYCRR 200.7: Maintenance of Equipment
- 5 6 NYCRR 201-1.7: Recycling and Salvage
- 6 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 7 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 8 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 9 6 NYCRR 202-1.1: Required Emissions Tests
- 10 40 CFR Part 68: Accidental release provisions.
- 11 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 12 6 NYCRR 201-3.2 (c): Compliance Demonstration
- 13 6 NYCRR 201-6.4 (g): Non Applicable requirements
- *14 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 15 6 NYCRR 202-1.3: Acceptable procedures
- 16 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 17 6 NYCRR 202-1.3: Alternate test methods
- 18 6 NYCRR 211.1: Air pollution prohibited
- 19 6 NYCRR 212.2: Compliance Demonstration
- 20 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 21 6 NYCRR 225-1.2 (g): Compliance Demonstration
- 22 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 23 6 NYCRR 225-1.6: Compliance Demonstration
- 24 6 NYCRR 225.1 (a) (3): Compliance Demonstration
- 25 6 NYCRR 227-2.4 (d): Compliance Demonstration
- 26 6 NYCRR 227-2.4 (d): Compliance Demonstration
- 27 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 28 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 29 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 30 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 31 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 32 40CFR 60.12, NSPS Subpart A: Circumvention.
- 33 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 34 40CFR 60.14, NSPS Subpart A: Modifications.
- 35 40CFR 60.40c, NSPS Subpart Dc: Compliance Demonstration
- 36 40CFR 60.40c, NSPS Subpart Dc: Compliance Demonstration
- 37 40CFR 60.40c(a), NSPS Subpart Dc: Compliance Demonstration
- 38 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 39 40CFR 60.42c(h), NSPS Subpart Dc: Compliance Demonstration
- 40 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 41 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Demonstration
- 42 40CFR 60.4202(a)(2), NSPS Subpart III: Compliance Demonstration
- 43 40CFR 60.4205(b), NSPS Subpart III: Compliance Demonstration
- 44 40CFR 60.4211(c), NSPS Subpart III: Compliance Demonstration
- 45 40CFR 60.4211(e), NSPS Subpart III: Compliance Demonstration



- 46 40CFR 60.4214, NSPS Subpart III: Compliance Demonstration
- 47 40CFR 80.510(b), Subpart I: Compliance Demonstration
- Emission Unit Level**
- 48 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 49 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=U-00001

- 50 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.

EU=U-00001,Proc=OL2

- 51 6 NYCRR 227.2 (b) (1): Compliance Demonstration
- 52 6 NYCRR 227.2 (b) (1): Compliance Demonstration
- 53 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability

EU=U-00001,EP=EP001,Proc=NG1,ES=ES001

- 54 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 55 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 56 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 57 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 58 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 59 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 60 40CFR 60.9, NSPS Subpart A: Availability of information.
- 61 40CFR 60.14, NSPS Subpart A: Modifications.
- 62 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 63 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 64 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
- 65 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration

EU=U-00001,EP=EP001,Proc=OL2

- 66 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 67 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 68 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 69 ECL 19-0301: Contaminant List
- 70 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 71 6 NYCRR Subpart 201-5: Emission Unit Definition
- 72 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 73 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 74 6 NYCRR 211.2: Visible Emissions Limited
- 75 6 NYCRR 212.3 (a): Compliance Demonstration
- 76 6 NYCRR 212.9 (b): Compliance Demonstration

Emission Unit Level

- 77 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 78 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

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

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

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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.

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

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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



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

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

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

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

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

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

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

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

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

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



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

Item K: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: Permit Exclusion - ECL 19-0305

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

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

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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality



Effective between the dates of 09/01/2015 and 08/31/2025

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

Condition 2: Recordkeeping requirements

Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 2.1:

(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 3: Open Fires - Prohibitions

Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 215.2

Item 3.1:

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.

Item 3.2

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.

Condition 4: Maintenance of Equipment
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 200.7

Item 4.1:

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

Condition 5: Recycling and Salvage
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 5.1:

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 6: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/01/2015 and 08/31/2025



Applicable Federal Requirement:6 NYCRR 201-1.8

Item 6.1:

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 7: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 7.1:

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 8: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 8.1:

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 9: Required Emissions Tests
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 9.1:

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 10: Accidental release provisions.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40 CFR Part 68

Item 10.1:

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

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apply:

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

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

Condition 11: Recycling and Emissions Reduction
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 82, Subpart F

Item 11.1:

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

Condition 12: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

This condition applies to all diesel fuel emergency generators that are exempt from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6). The facility is required to keep records of operation for each of the exempt diesel fuel emergency generators. Each exempt diesel fuel emergency generator cannot operate more than 500 hours per year.



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.

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 13: Non Applicable requirements
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 13.1:

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

40 CFR 89.112

Reason: All eleven (11) emergency generators at the facility are TURBO charged diesel-fired engines (not NATURALLY ASPIRED) and are used for emergency purposes only. Turbo diesel is any diesel engine equipped with a turbocharger. The turbo charged diesel-fired engines produce higher power outputs, lower emissions levels, and improved efficiency from a similar capacity of engine (than their naturally aspirated counterparts). Therefore,



40 CFR 89.112 is not applicable to these emergency engines.

The following is not applicable to all four emergency generators at the facility:

1. The 100 hours per year operating limit,
2. The 0.20 grams per kilowatt hour Particulates limit,
3. The 3.5 grams per kilowatt hour Carbon Monoxide limit, and
4. The 6.4 grams per kilowatt hour 40 CFR 60 SUBPART III - NMHC + NO_x limit.

These emergency engine diesel generators at the facility will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. These compression ignition (CI) engine diesel generators will be operated for a maximum of 500 hours in a year for purposes of maintenance checks and readiness testing.

40 CFR 89.113

Reason: All eleven (11) emergency generators at the facility are TURBO charged diesel-fired engines (not NATURALLY ASPIRED) are used for emergency purposes only. Turbo diesel is any diesel engine equipped with a turbocharger. The Turbo charging diesel engines produce higher power outputs, lower emissions levels, and improved efficiency from a similar capacity of engine (than their naturally aspirated counterparts). Therefore, 40 CFR 89.113 is not applicable to these emergency engines.

The 20% Opacity limit for Particulates is not applicable to any of the eleven (11) emergency generators at the facility:

These emergency engine diesel generators at the facility will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. These compression ignition (CI) engine diesel generators will be operated for a maximum of 500 hours in a year for purposes of maintenance checks and readiness



testing.

Condition 14: Capping Monitoring Condition
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 14.1:

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 201-6
6 NYCRR 227-2.4

Item 14.2:

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

Item 14.3:

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 14.4:

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 14.5:

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 14.6:

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

Emission Unit: U-00001	Emission Point: EP001
Process: NG1	Emission Source: ES001
Emission Unit: U-00001	Emission Point: EP001

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Process: NG1	Emission Source: ES002
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0011
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0011
Emission Unit: U-00004 Process: NG3	Emission Point: EP005 Emission Source: ES021
Emission Unit: U-00004 Process: NG3	Emission Point: EP006 Emission Source: ES021
Emission Unit: U-00004 Process: NG3	Emission Point: EP005 Emission Source: ES022
Emission Unit: U-00004 Process: NG3	Emission Point: EP006 Emission Source: ES022
Emission Unit: U-00004 Process: NG3	Emission Point: EP005 Emission Source: ES023
Emission Unit: U-00004 Process: NG3	Emission Point: EP006 Emission Source: ES023
Emission Unit: U-00004 Process: NG3	Emission Point: EP005 Emission Source: ES024



Emission Unit: U-00004 Emission Point: EP006
Process: NG3 Emission Source: ES024

Emission Unit: U-00004 Emission Point: EP005
Process: OL3 Emission Source: ES021

Emission Unit: U-00004 Emission Point: EP006
Process: OL3 Emission Source: ES021

Emission Unit: U-00004 Emission Point: EP005
Process: OL3 Emission Source: ES022

Emission Unit: U-00004 Emission Point: EP006
Process: OL3 Emission Source: ES022

Emission Unit: U-00004 Emission Point: EP005
Process: OL3 Emission Source: ES023

Emission Unit: U-00004 Emission Point: EP006
Process: OL3 Emission Source: ES023

Emission Unit: U-00004 Emission Point: EP005
Process: OL3 Emission Source: ES024

Emission Unit: U-00004 Emission Point: EP006
Process: OL3 Emission Source: ES024

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

Item 14.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V permit and is capping the NOx emissions to 24.9 tpy for an Air State Facility permit.

The facility-wide NOx (oxides of nitrogen) emissions are capped at 24.9 tons per year on a rolling 12-month basis.

The owner or operator shall maintain a record of the quantity of each fuel fired in all emission sources at the facility. That includes all boilers in Emission Unit U-00001 (Emission Sources ES001, ES002, ES003 & ES004), in Emission Unit U-00003 (Emission Sources S0010 & S0011), and in Emission Unit U-00004 (Emission Sources ES021,

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ES022, ES023 & ES024), and all exempt emergency engine generators at the facility. Also, the owner or operator shall calculate the annual NO_x emissions (based on the fuel quantity) using the following approved NYSDEC emission factors and formula:

$$G1(100) + G3(100) + G4(100) + D1(0.02) + D4(0.02) + E(0.44) < 49,000 \text{ lbs/yr of Oxides of Nitrogen emissions.}$$

Where:

G1 = 12-month rolling total of natural gas fired in the boilers in Emission Unit U-00001 (Emission Sources ES001, ES002, ES003 & ES004) in MMSCF/yr

G3 = 12-month rolling total of natural gas fired in the boilers in Emission Unit U-00003 (Emission Sources S0010 & S0011) in MMSCF/yr

G4 = 12-month rolling total of natural gas fired in the boilers in Emission Unit U-00004 (Emission Sources ES021, ES022, ES023 & ES024) in MMSCF/yr

D1 = 12-month rolling total of distillate oil fired in the boilers in Emission Unit U-00001 (Emission Sources ES001, ES002, ES003 & ES004) in gals/yr

D4 = 12-month rolling total of distillate oil fired in the boilers in Emission Unit U-00004 (Emission Sources ES021, ES022, ES023 & ES024) in gals/yr

E = 12-month rolling total of distillate oil fired in all the diesel engine generators in gals/yr

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 24.9 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, 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 15: Acceptable procedures
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement: 6 NYCRR 202-1.3

Item 15.1:

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



Condition 16: Acceptable procedures - Stack test report submittal
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 16.1:

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

Condition 17: Alternate test methods
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 17.1:

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

Condition 18: Air pollution prohibited
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 211.1

Item 18.1:

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.

Condition 19: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR 212.2

Item 19.1:

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

Emission Unit: U-00002
Process: ETO

Emission Point: EP002
Emission Source: ES007

Emission Unit: U-00002
Process: ETO

Emission Point: EP002
Emission Source: ES008

Emission Unit: U-00002
Process: ETO

Emission Point: EP002
Emission Source: ES009

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

Item 19.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

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

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

Parameter Monitored: ETHYLENE OXIDE

Lower Permit Limit: 99 percent reduction by weight

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 20: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 20.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 20.2:

Compliance Demonstration 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 # 2 heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by

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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 21: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than # 2 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.



Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement: 6 NYCRR 225-1.6

Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 23.2:

Compliance Demonstration 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 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 24: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 24.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 25.1:

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

Emission Unit: U-00003	Emission Point: EP003
Process: NG2	Emission Source: S0010
Emission Unit: U-00003	Emission Point: EP004
Process: NG2	Emission Source: S0011

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

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually to the two New York Shipley boilers, 10.46 MM Btu/hr each (Emission Sources S0010 & S0011), firing natural gas (Process NG2) only in Emission Unit U-00003.

The owner or operator of a small boiler must perform an annual tune-up of their equipment. Small boiler is defined as a boiler with a maximum heat input capacity equal to or greater than 1 million Btu per hour and equal to or less than 25 million Btu per hour. The tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up, the name, title and affiliation of the person making the adjustments must be maintained in a permanently bound log book or other format approved in writing by the Department for a minimum of five years.



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

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

Reference Test Method: DAR-5
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 26: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

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Item 26.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00004	Emission Point: EP005
Process: NG3	Emission Source: ES021

Emission Unit: U-00004	Emission Point: EP005
Process: NG3	Emission Source: ES022

Emission Unit: U-00004	Emission Point: EP006
Process: NG3	Emission Source: ES023

Emission Unit: U-00004	Emission Point: EP006
Process: NG3	Emission Source: ES024

Emission Unit: U-00004	Emission Point: EP005
Process: OL3	Emission Source: ES021

Emission Unit: U-00004	Emission Point: EP005
Process: OL3	Emission Source: ES022

Emission Unit: U-00004	Emission Point: EP006
Process: OL3	Emission Source: ES023

Emission Unit: U-00004	Emission Point: EP006
Process: OL3	Emission Source: ES024

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

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler must perform an annual tune-up of their equipment. Small boiler is defined as a boiler with a maximum heat input capacity equal to or greater than 1 million Btu per hour and equal to or less than 25 million Btu per hour. The tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up, the name, title and affiliation of the person making the adjustments must be maintained in a permanently bound log book or other format approved in writing by the Department for a minimum of five years.

Annual tune-up maintenance usually includes not only some aspects of daily, weekly, and monthly scheduled maintenance, but also focuses on tests, evaluations and adjustments necessary for efficient combustion. Annual



tune-up maintenance requirements must include a tune-up checklist (see Appendix A of Air Guide 33) and written procedures. According to Air Guide 33, the following is a summary list and description of the items/equipments to be cleaned/inspected/repared or have to be adjusted during the annual tune-ups:

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

Reference Test Method: DAR-5
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 27: EPA Region 2 address.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 27.1:

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

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



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 28: Performance testing timeline.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 28.1:

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

Condition 29: Performance test methods.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 29.1:

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

Condition 30: Prior notice.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 30.1:

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

Condition 31: Opacity standard compliance testing.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 31.1:

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

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



including continuous opacity monitors);

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

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

Condition 32: Circumvention.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 32.1:

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

Condition 33: Monitoring requirements.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 33.1:

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

Condition 34: Modifications.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 34.1:

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

Condition 35: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 35.1:

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

Emission Unit: U-00001	Emission Point: EP001
Process: NG1	Emission Source: ES001
Emission Unit: U-00001	Emission Point: EP001
Process: NG1	Emission Source: ES002



Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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



Condition 36: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 36.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 36.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

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

40 CFR 60-Dc.40c, NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225-1.2 (f), (g) and (h), which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH Jacobi Medical Center must comply with the 0.0015 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2 (f), (g) and (h) 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 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 37: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 37.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Dc-Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units applies to each steam generating unit for which construction has commenced after June 9, 1989 and has a maximum design heat input capacity of greater than or equal to 10 million Btu/hour and less than 100 million Btu/hour.

This condition applies to the four Johnston Pftar boilers, 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004), operating on natural gas (Process NG1) and # 2 fuel oil (Process OL2). The heat input capacities are expected to be approximately 36.2 MM Btu/hr for each boiler. The flue gases generated from these four boilers vent to the atmosphere via a common stack, identified as Emission Point EP001.

This condition also applies to the two 10.46 MM Btu/hr each York Shipley boilers (Emission Sources S0010 & S0011), firing natural gas (Process NG2) only. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004; respectively.

These six boilers are subject to the notification and recordkeeping requirements of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 38.1:



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

Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004

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

Item 38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is not applicable to this facility. This regulation is superseded (overruled) by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH - Jacobi Medical Center must comply with the 0.0015 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(d), NSPS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Reference Test Method: ASTM Method 4292

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY

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NYC-HH Jacobi Medical Center must comply with the 0.0015 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2(a)(2), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.

Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 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 40: Enforceability
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 40.1:
The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 41: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 41.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 41.2:
Compliance Demonstration shall include the following monitoring:



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

Monitoring Description:

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

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

40 CFR 60-Dc.46c(d)(2), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superceded by regulation 6 NYCRR 225-1.2(a)(2), which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

NYC-HH Jacobi Medical Center must comply with the 0.0015 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2 (f), (g) and (h), which have 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 42: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4202(a)(2), NSPS Subpart

III

Item 42.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 42.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4202(a)(2): Emission standards for emergency engines for a stationary CI internal combustion engine manufacturer:

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

For 2011 model year and later, the certification emission standards for new nonroad CI engines for engines of the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement: 40CFR 60.4205(b), NSPS Subpart III

Item 43.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 43.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power less than or equal to 2,237 kW (3,000 HP) that is not a fire pump engine and has a displacement of less than 10 liters/cylinder will require certification to the following emission standards:

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For engines with a maximum engine power greater than or equal to 37 kW (50 HP):

- 2007 model year and later - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable, for all pollutants, for the same model year and maximum engine power.

Compliance with this requirement will be established by purchasing an engine certified to the applicable emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4211(c), NSPS Subpart III

Item 44.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of a 2007 model year and later stationary CI internal combustion engine must comply with the emission standards specified in §60.4204(b) or §60.4205(b).

The engine must be installed and configured according to the manufacturer's specifications.

The manufacturer's certification of compliance with the emission standards specified in 40 CFR 60 Subpart III for major pollutants will be sent to the Department prior to commencement of operation of the engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4211(e), NSPS Subpart III

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Permit ID: 2-6005-00011/00009

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Item 45.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 45.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

Parameter Monitored: ENGINE OPERATION

Upper Permit Limit: 100 hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Demonstration

Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4214, NSPS Subpart IIII

Item 46.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the



applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 80.510(b), Subpart I

Item 47.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 47.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Beginning October 1, 2010: Except as otherwise specifically provided in 40 CFR 80 Subpart I, all nonroad and locomotive marine diesel fuel is subject to the following per-gallon standards for sulfur content:

15 ppm maximum for nonroad (NR) diesel fuel

NYC-HH - Jacobi Medical Center will demonstrate compliance with the fuel specifications by retaining certificates from the fuel supplier that the diesel fuel meets the nonroad diesel fuel requirements of 40 CFR 80.510 (b), or indication of the maximum 35 volume percent aromatic content or the minimum 40 ratio centane index.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 15 parts per million by weight

Monitoring Frequency: PER DELIVERY



Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**** Emission Unit Level ****

Condition 48: Emission Unit Permissible Emissions
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 48.1:

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

Emission Unit: U-00001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 17 pounds per hour

29,800 pounds per year

Emission Unit: U-00003

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 2.1 pounds per hour

18,400 pounds per year

Condition 49: Process Permissible Emissions
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 49.1:

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

Emission Unit: U-00001

Process: NG1

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 4.2 pounds per hour

22,100 pounds per year

Emission Unit: U-00001

Process: OL2

CAS No: 0NY210-00-0

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Name: OXIDES OF NITROGEN
PTE(s): 17 pounds per hour
29,800 pounds per year

Emission Unit: U-00003 Process: NG2

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 2.1 pounds per hour
18,400 pounds per year

Condition 50: Monitoring frequency waiver.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 50.1:

This Condition applies to Emission Unit: U-00001

Item 50.2: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

Condition 51: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 51.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: OL2

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

Item 51.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following upon request by regulatory agency:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.

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2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 52: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 52.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: OL2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

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Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Enforceability
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 53.1:
This Condition applies to Emission Unit: U-00001
Process: OL2

Item 53.2:
The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 54: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 54.1:
This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 54.2:
This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 55: EPA Region 2 address.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 55.1:
This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 55.2:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following

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address:

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

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

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

**Condition 56: Date of Construction Notification - if a COM is used.
Effective between the dates of 09/01/2015 and 08/31/2025**

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

Item 56.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 56.2:

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring

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system performance commences, postmarked not less than 30 days prior to such date;

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

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

Condition 57: Recordkeeping requirements.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 57.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 57.2:

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 58: Excess Emissions Report
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 58.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 58.2:

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 59: Facility files for subject sources.
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 59.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 59.2:

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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 60: Availability of information.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 60.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 60.2:

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 61: Modifications.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 61.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 61.2:

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 62: Reconstruction.
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 62.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES001

Item 62.2:

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



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

Condition 63: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 63.1:

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

Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003



Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 63.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 64.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES002



Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 64.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

Reporting Requirements: 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 65: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 65.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
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Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U-00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U-00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U-00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 65.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 66.1:



The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: EP001
Process: OL2

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

Item 66.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Operators of air contamination sources that 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(s) or vent(s) 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, then the 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

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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.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 67.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: EP001
Process: OL2

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

Item 67.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

- i) The name of the oil supplier, and

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

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

Item 68.1:

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

Emission Unit: U-00001	Emission Point: EP001
Process: OL2	Emission Source: ES001
Emission Unit: U-00001	Emission Point: EP001
Process: OL2	Emission Source: ES002
Emission Unit: U-00001	Emission Point: EP001
Process: OL2	Emission Source: ES003
Emission Unit: U-00001	Emission Point: EP001
Process: OL2	Emission Source: ES004
Regulated Contaminant(s):	
CAS No: 007446-09-5	SULFUR DIOXIDE

Item 68.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO2 control device (or outlet of the steam generating unit if no SO2 control device is used) as required under paragraph §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.

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: 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).



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 69: Contaminant List
Effective between the dates of 09/01/2015 and 08/31/2025



Applicable State Requirement:ECL 19-0301

Item 69.1:

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

CAS No: 000075-21-8
Name: ETHYLENE OXIDE

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 70: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/01/2015 and 08/31/2025**

Applicable State Requirement:6 NYCRR 201-1.4

Item 70.1:

(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.

(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 71: Emission Unit Definition
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 71.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of four Johnston Pftar boilers, 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004), operating on natural gas (Process NG1) and # 2 fuel oil (Process OL2). Three boilers are on at all times, and one boiler is on standby. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point EP001.

These Johnston Pftar boilers have been re-designated as "mid-size" boilers from "small" boilers. They are located in the New or #6 Building. 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.

Building(s): NEW

Item 71.2:

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 two (2) sterilizers (Emission Sources ES007 & ES008) equipped with an abator (Emission Control ES009). The sterilizers are connected to a common stack, identified as Emission Point EP002 and operates on Process ETO.

The two sterilizers are located in the Sterile or #1 Building.

Building(s): STERILE

Item 71.3:

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

Emission Unit: U-00003

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Emission Unit Description:

Emission Unit U-00003 consists of two (2) 10.46 MM Btu/hr each York Shipley boilers (Emission Sources S0010 & S0011), firing natural gas (Process NG2) only. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004; respectively.

These two Shipley boilers remain as "small" boilers and are located in the Ambulatory or the Van Etten or #1 Building. Small boiler is defined as a boiler with a maximum heat input capacity greater than 1 million Btu per hour and equal to or less than 25 million Btu per hour.

Emission Sources S0010 and S0011 in the Ambulatory or the Van Etten or #1 Building will be capped at 105 million cubic feet of natural gas per year.

Building(s): AMB

Item 71.4:

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

Emission Unit: U-00004

Emission Unit Description:

Emission Unit U-00004 consists of two (2) Weil-McClain boilers, 4.47 MM Btu/hr each (Emission Sources ES021 and ES022), firing natural gas (Process NG3) and #2 fuel oil (Process OL3), and discharging emissions to a common stack at Emission Point EP005, and two (2) small York Shipley boilers, 1.68 MM Btu/hr each (Emission Sources ES023 and ES024), firing natural gas (Process NG3) and #2 fuel oil (Process OL3) and discharging emissions to a common stack at Emission Point EP006.

These four boilers have been re-designated as "small" regulated boilers from "exempt" boilers. Small boilers are defined as boilers rated between 1 and 25 MM Btu/hr of heat input. The Weil-McCain boilers are located in the Store House and the York Shipley boilers are located in the Staff House.

Building(s): STORE/STAF

**Condition 72: Renewal deadlines for state facility permits
Effective between the dates of 09/01/2015 and 08/31/2025**

Applicable State Requirement:6 NYCRR 201-5.2 (c)

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Item 72.1:

The owner or operator of a facility having an issued state facility 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.

Condition 73: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 73.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 2
47-40 21st St.
Long Island City, NY 11101

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 74: Visible Emissions Limited
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR 211.2

Item 74.1:

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 75: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR 212.3 (a)

Item 75.1:

The Compliance Demonstration activity will be performed for the facility:

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



The Compliance Demonstration applies to:

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

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

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

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

Item 75.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

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

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

Manufacturer Name/Model Number: AMSCO EAGLE 3017

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 0.0044 pounds per hour

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



Reference Test Method: PART 60, METHOD 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Demonstration
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement: 6 NYCRR 212.9 (b)

Item 76.1:

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

Emission Unit: U-00002	Emission Point: EP002
Process: ETO	Emission Source: ES007
Emission Unit: U-00002	Emission Point: EP002
Process: ETO	Emission Source: ES008
Emission Unit: U-00002	Emission Point: EP002
Process: ETO	Emission Source: ES009

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

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Manufacturer Name/Model Number: AMSCO 50 CFM EtO DISPOSER (Abator)
Reference Test Method: KEEP RECORDS

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



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).

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

Condition 77: Emission Point Definition By Emission Unit
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 77.1:

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 146

Diameter (in.): 51

NYTMN (km.): 4523.003 NYTME (km.): 597.428 Building: NEW

Item 77.2:

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 68

Length (in.): 12

Width (in.): 12

NYTMN (km.): 4523.123 NYTME (km.): 597.433 Building: STERILE

Item 77.3:

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4523. NYTME (km.): 597.428 Building: AMB

Emission Point: EP004

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4522.997 NYTME (km.): 597.428 Building: AMB

Item 77.4:

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

Emission Unit: U-00004

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



Emission Point: EP005
Height (ft.): 22 Diameter (in.): 12
NYTMN (km.): 4523.003 NYTME (km.): 597.428 Building: STORE HSE

Emission Point: EP006
Height (ft.): 19 Diameter (in.): 12
NYTMN (km.): 4523.003 NYTME (km.): 597.428 Building: STAFF HSE

Condition 78: Process Definition By Emission Unit
Effective between the dates of 09/01/2015 and 08/31/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 78.1:

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

Emission Unit: U-00001
Process: NG1 Source Classification Code: 1-03-006-02
Process Description:
Process NG1 is when the four boilers (Emission Sources ES001, ES002, ES003 & ES004) in Emission Unit U-00001 fire natural gas. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point EP001.

Emission Source/Control: ES001 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: ES002 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: ES003 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: ES004 - Combustion
Design Capacity: 30 million Btu per hour

Item 78.2:

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

Emission Unit: U-00001
Process: OL2 Source Classification Code: 1-03-005-02
Process Description:
Process OL2 is when the four boilers (Emission Sources ES001, ES002, ES003 & ES004) in Emission Unit U-00001 fire #2 fuel oil. Exhaust gases are discharged to the atmosphere via a common stack identified as Emission Point EP001.

Emission Source/Control: ES001 - Combustion
Design Capacity: 30 million Btu per hour

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00009

Facility DEC ID: 2600500011



Emission Source/Control: ES002 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: ES003 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: ES004 - Combustion
Design Capacity: 30 million Btu per hour

Item 78.3:

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

Emission Unit: U-00002

Process: ETO

Source Classification Code: 3-15-020-01

Process Description:

Two (2) Steris EtO sterilizers (Emission Sources ES007 & ES008) and one (1) abator (Emission Control ES009). The sterilizers and abator unit are installed at the Sterile Supply Building with stack identified as Emission Point EP002.

Emission Source/Control: ES009 - Control
Control Type: CATALYTIC REDUCTION

Emission Source/Control: ES007 - Process
Design Capacity: 5 cubic feet

Emission Source/Control: ES008 - Process
Design Capacity: 5 cubic feet

Item 78.4:

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

Emission Unit: U-00003

Process: NG2

Source Classification Code: 1-03-006-02

Process Description:

Process NG2 is when the two 10.46 MM Btu/hr boilers each (Emission Sources S0010 & S0011) in Emission Unit U-0003 fire natural gas. Exhaust gases are discharged to the atmosphere via two separate stacks identified as Emission Points EP003 & EP004, respectively. These boilers are located in the Ambulatory or Van etten or #5 Building.

Emission Sources S0010 and S0011 in the Ambulatory or Van etten or #5 Building will be capped at 105 million cubic feet of natural gas per year.

Emission Source/Control: S0010 - Combustion
Design Capacity: 10.46 million Btu per hour

Emission Source/Control: S0011 - Combustion



Design Capacity: 10.46 million Btu per hour

Item 78.5:

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

Emission Unit: U-00004

Process: NG3

Source Classification Code: 1-03-006-02

Process Description:

Process NG3 is when the two 4.47 MM Btu/hr boilers each Weil-McClain boilers (Emission Sources ES021 & ES022), and two 1.68 MM Btu/hr each York Shipley boilers (Emission Sources ES023 and ES024) in Emission Unit U-0004 fire natural gas. Exhaust gases from the two (2) Weil-McClain boilers are discharged to the atmosphere via a common stack identified as Emission Point EP005. Exhaust gases from the two (2) York Shipley boilers are discharged to the atmosphere via a common stack identified as Emission Point EP006.

Small boiler is defined as a boiler with a maximum heat input capacity greater than 1 million Btu per hour and equal to or less than 25 million Btu per hour. These four boilers have been re-designated as "small" regulated boilers from "exempt" boilers

The two Weil-McClain boilers are located in the Store House and the two York Shipley boilers are located in the Staff House.

Emission Sources ES021 and ES022 in the Store House will be capped at a combined 12 million cubic feet of natural gas per year.

Emission Sources ES023 and ES024 in the Staff House will be capped at a combined 35 million cubic feet of natural gas per year.

Emission Source/Control: ES021 - Combustion
Design Capacity: 4.47 million Btu per hour

Emission Source/Control: ES022 - Combustion
Design Capacity: 4.47 million Btu per hour

Emission Source/Control: ES023 - Combustion
Design Capacity: 1.68 million Btu per hour

Emission Source/Control: ES024 - Combustion
Design Capacity: 1.68 million Btu per hour

Item 78.6:

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



Emission Unit: U-00004

Process: OL3

Source Classification Code: 1-03-005-02

Process Description:

Process OL3 is when the two 4.47 MM Btu/hr boilers each Weil-McClain boilers (Emission Sources ES021 & ES022), and the two 1.68 MM Btu/hr each York Shipley boilers (Emission Sources ES023 and ES024) in Emission Unit U-00004 fire #2 fuel oil. Exhaust gases from the two (2) Weil-McClain boilers are discharged to the atmosphere via a common stack identified as Emission Point EP005. Exhaust gases from the two (2) York Shipley boilers are discharged to the atmosphere via a common stack identified as Emission Point EP006.

Small boiler is defined as a boiler with a maximum heat input capacity greater than 1 million Btu per hour and equal to or less than 25 million Btu per hour. These four boilers have been re-designated as "small" regulated boilers from "exempt" boilers

The two Weil-McClain boilers are located in the Store House and the two York Shipley boilers are located in the Staff House.

Emission Sources ES021 and ES022 will be capped at a combined 0.009 million gallons of #2 fuel oil (distillate oil) per year.

Emission Sources ES023 and ES024 will be capped at a combined 0.003 million gallons of #2 fuel oil (distillate oil) per year.

Emission Source/Control: ES021 - Combustion
Design Capacity: 4.47 million Btu per hour

Emission Source/Control: ES022 - Combustion
Design Capacity: 4.47 million Btu per hour

Emission Source/Control: ES023 - Combustion
Design Capacity: 1.68 million Btu per hour

Emission Source/Control: ES024 - Combustion
Design Capacity: 1.68 million Btu per hour

