



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6005-00011/00004
Effective Date: 05/02/2011 Expiration Date: 05/01/2016

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

Contact: ARTHUR WANER
JACOBI MEDICAL CENTER
1400 PELHAM PARKWAY SOUTH
BRONX, NY 10461
(718) 918-3913

Description:

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

The NYC-HH Jacobi Medical Center (JMC), located at 50 Pelham Parkway & Eastchester Road, Bronx, NY, is a 450-bed renowned general medical and surgical hospital, which provides healthcare. The industrial classification code (SIC) for this facility is 8062 - General Medical and Surgical Hospitals. The hospital is a Title V facility, operating four "mid-size" 30 MM Btu/hr each Johnston Pftar boilers, two "small" 10.46 MM Btu/hr each York-Shipley boilers, two ethylene oxide sterilizers with an abator, and four small boilers (two Weil-McClain and two York Shipley) each under 5 MM Btu/hr. The facility has not made any changes to their existing plant in terms of emission sources or processes in the past five (5) years.

The Title V renewal #2 permit application for the facility includes the following emission sources:

- (i) Four 30 MM Btu/hr each Johnston Pftar boilers, at the Jacobi Main Building, operating on both natural gas and # 2 fuel oil - Emission Sources ES001, ES002, ES003 & ES004. These four boilers have been re-designated as "mid-size" boilers from "small" boilers,



(ii) Two 10.46 MM Btu/hr each York Shipley boilers, at the Ambulatory Building, operating on natural gas only - Emission Sources S0010 & S0011,

(iii) Four re-designated as "small" boilers from exempt boilers (each less than 5 MM Btu/hr):

(a) Two 4.47 MM Btu/hr each Weil-McLain boilers at the Store House, operating on both, natural gas and #2 fuel oil - Emission Sources ES021 and ES022.

(b) Two 1.68 MM Btu/hr each York Shipley boilers at the Staff House, operating on both, natural gas and #2 fuel oil - Emission Sources ES023 and ES024.

(iv) Two EtO AMSCO Eagle 3017 ethylene oxide sterilizers equipped with one abator unit. The sterilizers are connected to a common stack, identified as Emission Point EP002 and operates on Process EtO at the Sterile Supply Building - (Emission Sources/Control ES007, ES008 & ES009, and

(v) Nine exempt emergency generators

NYC-HH - Jacobi Medical Center consists of four emission units: U-00001, U-00002, U-00003 and U-00004. Below is a description of each of these four emission units:

Emission Unit U-00001 consists of four Johnston boilers, 30 MM Btu/hr each (Emission Sources ES001, ES002, ES003 & ES004), operating on natural gas (Process NG1) and # 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.

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 operate on Process ETO.

Emission Unit U-00003 consists of two (2) York Shipley boilers, 10.46 MM Btu/hr each (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 boilers are located in the Ambulatory Building.



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.

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

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

1. The facility is limiting the fuel for its boilers as follows:

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

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

(c) For the two Weil-McLain boilers, 4.47 MM Btu/hr each, defined as Emission Sources ES021 & ES022 in Emission Unit U-00004, the natural gas is limited to 12 million cubic feet per year, and the # 2 fuel oil is limited to 0.009 million gallons per year.

(d) For the two York Shipley boilers, 1.68 MM Btu/hr each, defined as Emission Sources ES023 & ES024 in Emission Unit U-00004, the natural gas is limited to 35 million cubic feet per year, and the # 2 fuel oil is limited to 0.003 million gallons per year.

2. With the boiler plant upgrades (extensive facility renovation) in 2005, the facility has an internal emission credit of 24.58 tons of NOx for future use or credit.

3. The facility is subject to the provisions of Title V for sulfur dioxide and is



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

4. The facility is required to perform stack testing prior to July 1, 2014 in accordance with the permit condition for 6 NYCRR 227-2.4(c)(ii) and thereafter once during subsequent 5-year terms of the permit for the four re-designated "mid-size" from "small" Johnston boilers, 30 MM Btu/hr each, defined in Emission Unit U-00001 as Emission Sources ES001, ES002, ES003 & ES004, operating on natural gas (Process NG1) and # 2 fuel oil (Process OL2). Prior to July 1, 2014, the NOx emission limit is 0.12 pounds per million Btus, and on or after July 1, 2014, the NOx emission limit is 0.08 pounds per million Btus for mid-size boilers operating on both natural gas and distillate fuel oil.

5. Emission Points EP001, EP003, EP004, EP005 and EP006 are subject to the smoke emission 20% opacity limit as per 6 NYCRR 227-1.3(a).

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

7. The facility is required to perform annual tune-ups to the two small 10.46 MM Btu/hr each York Shipley boilers, defined in Emission Unit U-00003 as Emission Sources S0010 & S0011, operating on natural gas (Process NG2) only. The owner or operator of a small boiler (between 1 and 25 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in DAR-5 guidance document) containing the following information:

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

8. The facility is required to perform annual tune-ups to the four re-designated as "small" boilers from exempt, all less than 5 MM Btu/hr each, defined in Emission Unit U-00004 as Emission Sources ES021, ES022, ES023 & ES024, operating on natural gas (Process NG3) and #2 fuel oil (Process OL3). The owner or operator of a small boiler (between 1 and 25 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in DAR-5 guidance document) containing the following information:



(2) The name, title, and affiliation of the person who adjusted the equipment.

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

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

11. As per 6 NYCRR 212.9(b), 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:

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

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



The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including nine diesel-fired emergency power generators (each <500 hours/yr), two distillate fuel oil storage tanks with storage capacities <300,000 bbls; one is in the Store House Building and the other one is in the Staff House Building, and one ventilating and exhaust system for laboratory operations. Four of the emergency generators are located in Building #1, three are located in Building #6, one is located in Building #5, and the last emergency generator is located in Building #8.

This is a Title V renewal and modification to the Title V permit for NYC-HH - Jacobi Medical Center, DEC ID # 2-6005-00011/00004 that was issued on 11/07/2005 and expired on 11/06/2010. The facility has not made any changes to their existing plant in terms of emission sources or processes in the past five (5) years. Jacobi Medical Center (JMC) owns and operates four (4) 30 MM Btu/hr each Johnston Pftar Boilers, two (2) EtO Amsco Eagle sterilizers, two (2) 10.46 MM Btu/hr each York Shipley boilers, two (2) 1.68 MM Btu/hr each York Shipley Boilers, two (2) 4.47 MM Btu/hr each Weil-McClain, two (2) 1.68 MM Btu/hr each York Shipley boilers, nine (9) emergency generators, two (2) fuel oil storage tanks, and one fume hood.

The facility includes the following emission sources:

(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.

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

Permit Administrator: JOHN F CRYAN
NYSDEC
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5407



Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal -

REGION 2 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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 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: 2-6005-00011/00004

Facility DEC ID: 2600500011



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

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

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

Permit Effective Date: 05/02/2011

Permit Expiration Date: 05/01/2016



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.5 (g): Non Applicable requirements
- *24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *29 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *30 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 31 6 NYCRR 202-1.3: Acceptable procedures
- 32 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 33 6 NYCRR 202-1.3: Alternate test methods
- 34 6 NYCRR 212.2: Compliance Certification
- 35 6 NYCRR 225-1.8: Compliance Certification
- 36 6 NYCRR 225.1 (a) (3): Compliance Certification
- 37 6 NYCRR 227-2.6 (c): Compliance Certification
- 38 6 NYCRR 227-2.6 (c): Compliance Certification
- 39 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 40 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 41 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 42 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 43 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.



- 44 40CFR 60.12, NSPS Subpart A: Circumvention.
- 45 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 46 40CFR 60.14, NSPS Subpart A: Modifications.
- 47 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 48 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 49 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 50 40CFR 60.42c(h), NSPS Subpart Dc: Compliance Certification
- 51 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 52 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification

Emission Unit Level

- 53 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 54 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 55 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 56 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=U-00001

- 57 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.

EU=U-00001,Proc=OL2

- 58 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 59 6 NYCRR 227.2 (b) (1): Compliance Certification
- 60 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.

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

- 61 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 62 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 63 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 64 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 65 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 66 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 67 40CFR 60.9, NSPS Subpart A: Availability of information.
- 68 40CFR 60.14, NSPS Subpart A: Modifications.
- 69 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 70 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 71 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 72 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

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

- 73 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 74 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification
- 75 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification

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

- 76 6 NYCRR 227-1.3 (a): Compliance Certification

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

- 77 6 NYCRR 227-1.3 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

New York State Department of Environmental Conservation

Permit ID: 2-6005-00011/00004

Facility DEC ID: 2600500011



- 78 ECL 19-0301: Contaminant List
- 79 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 80 6 NYCRR 211.2: Visible Emissions Limited
- 81 6 NYCRR 212.3 (a): Compliance Demonstration
- 82 6 NYCRR 212.9 (b): Compliance Demonstration
- 83 6 NYCRR 227-2.4 (c): Compliance Demonstration
- 84 6 NYCRR 227-2.4 (d): Compliance Demonstration
- 85 6 NYCRR 227-2.4 (d): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 05/02/2011 and 05/01/2016

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: Fees
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 3.1:



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

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

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

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

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.



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

Condition 6: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 202-2.1

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

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.



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

Condition 8: Recordkeeping requirements
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a



religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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



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

Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 15.1:

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



may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 16.1:

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

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

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

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

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

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 17.1:

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

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

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

Condition 18: Off Permit Changes
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made



Condition 21: Recycling and Emissions Reduction
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Emission Unit Definition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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 22.2:

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.

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Building(s): STERILE

Item 22.3:

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

Emission Unit: U-00003

Emission Unit Description:

Emission Unit U-00003 consists of two (2) 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 22.4:

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

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Emission Unit: U-00004
Process: NG3

Emission Point: EP005
Emission Source: ES021

Emission Unit: U-00004
Process: NG3

Emission Point: EP005
Emission Source: ES022

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

Item 24.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The two (2) 4.47 MM Btu/hr each Weil-McClain boilers
(Emission Sources ES021 & ES022) in the Store House will
be capped at a combined 12 million cubic feet per
year.

These two 4.47 MM Btu/hr each Weil-McClain boilers have
been re-designated as "small" regulated boilers from
"exempt" boilers. 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. The Weil-McCain boilers are located in the Store
House Building.

Process Material: NATURAL GAS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 12 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 25: Capping Monitoring Condition

Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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

6 NYCRR Subpart 231-2

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"exempt" boilers. 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 two York Shipley boilers are located in the Staff House Building.

Process Material: NUMBER 2 OIL
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 3 thousand gallons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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

6 NYCRR Subpart 231-2

Item 26.2:

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

Item 26.3:

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

Item 26.4:

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

Item 26.5:

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

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Item 26.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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

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

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

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The two (2) 1.68 MM Btu/hr each York Shipley boilers
(Emission Sources ES023 & ES024) in the Staff House will
be capped at a combined 35 million cubic feet per
year.

These two 1.68 MM each York Shipley boilers have been
re-designated as "small" boilers from "exempt" boilers.
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 two
York Shipley boilers are located in the Staff House
Building.

Process Material: NATURAL GAS
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 35 million cubic feet per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 27.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to

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the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2

Item 27.2:

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

Item 27.3:

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

Item 27.4:

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

Item 27.5:

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

Item 27.6:

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

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

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

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

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The two (2) 4.47 MM Btu/hr each Weil-McClain boilers
(Emission Sources ES021 & ES022) in the Store House will
be capped at a combined 0.009 million gallons of #2 fuel



oil (distillate oil) per year.

These two 4.47 MM Btu/hr each Weil-McClain boilers have been re-designated as "small" regulated boilers from "exempt" boilers. 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. The Weil-McCain boilers are located in the Store House Building.

Process Material: NUMBER 2 OIL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 thousand gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 28: Capping Monitoring Condition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 28.1:

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

6 NYCRR Subpart 231-2

Item 28.2:

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

Item 28.3:

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

Item 28.4:

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

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Item 28.5:

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

Item 28.6:

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

Emission Unit: U-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 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

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

These York-Shipley boilers have been re-designated as "small" boilers from "exempt" boilers.

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 York-Shipley boilers are located Ambulatory or the Van Etten or the #5 Building.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 105 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 29: Capping Monitoring Condition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

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Item 29.1:

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 231-2

Item 29.2:

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

Item 29.3:

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 29.4:

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 29.5:

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 29.6:

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

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

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Item 29.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

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

These four 30 MM Btu/hr each boilers are re-designated as "mid-size" boilers from "small" boilers.

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.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 630.72 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 30: Capping Monitoring Condition
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 30.1:

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 231-2

Item 30.2:

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

Item 30.3:

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

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Item 30.4:

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 30.5:

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 30.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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: 0NY210-00-0 OXIDES OF NITROGEN

Item 30.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

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

These four 30 MM Btu/hr each boilers are re-designated as "mid-size" boilers from "small" boilers.

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.

Parameter Monitored: FUEL OIL #2

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Upper Permit Limit: 1,490 thousand gallons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Acceptable procedures
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 31.1:

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 32: Acceptable procedures - Stack test report submittal
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 32.1:

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 33: Alternate test methods
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 33.1:

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 34: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 212.2

Item 34.1:

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

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Process: ETO Emission Source: ES009

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

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 99 percent reduction by weight

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 35: Compliance Certification

Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and



distillate oil and coal sold;
c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.
Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 36: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

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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 10/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 37.1:

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

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

NYC-HH Jacobi Medical Center is required to perform testing on the four Johnston Pftar 750-4 LG 150S mid-size boilers (Emission Sources ES001, ES002, ES003 & ES004) each with a maximum heat input of 30 MM Btu/hr to verify the NO_x emissions limit compliance. These four boilers operate on natural gas (Process NG1) and on distillate oil (Process OL2).

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.

Emission test requirements. The owner or operator of an emission source required to conduct an emission test under subdivision (a) of this section must:

- (1) submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) follow the procedures set forth in Part 202 of this Title and use the following procedures set forth in 40 CFR part 60, Appendix A, or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart:
 - (i) for mid-size boilers, use Method 7, 7E, or 19 from 40 CFR part 60, Appendix A;
- (3) submit a compliance test report containing the results of the emission test to the department for approval no later than 60 days after completion of the emission test.

Prior to July 1, 2014, the NO_x emission limit is 0.12 pounds per million Btus under the NO_x RACT plan for mid-size boilers (> 25 and equal to or <100 MM Btu/hr) when operating on residual oil (Process OL2).

Compliance with this emission limit must be determined with a 1-hour average unless the owner or operator chooses to use CEMS under the provisions of subdivision 227-2.6(b).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

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

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Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 38.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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
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Emission Unit: U-00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
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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
--	---

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NYC-HH - Jacobi Medical Center is required to perform testing on the four Johnston Pftar mid-size boilers (Emission Sources ES001, ES002, ES003 & ES004) each with a maximum heat input of 30 MM Btu/hr to verify the NOx emissions limit compliance. These five boilers operate on natural gas (Process NG1) and on distillate oil (Process



OL2).

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.

Emission test requirements. The owner or operator of an emission source required to conduct an emission test under subdivision (a) of this section must:

- (1) submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) follow the procedures set forth in Part 202 of this Title and use the following procedures set forth in 40 CFR part 60, Appendix A, or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart:
 - (i) for mid-size boilers, use Method 7, 7E, or 19 from 40 CFR part 60, Appendix A;
- (3) submit a compliance test report containing the results of the emission test to the department for approval no later than 60 days after completion of the emission test.

On or after July 1, 2014, the NO_x emission limit is 0.08 pounds per million Btus under the NO_x RACT plan for mid-size boilers (> 25 and equal to or <100 MM Btu/hr) when operating on distillate oil (Process OL2) or on natural gas (Process NG1).

Compliance with this emission limit must be determined with a 1-hour average unless the owner or operator chooses to use CEMS under the provisions of subdivision 227-2.6(b).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.08 pounds per million Btus

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: EPA Region 2 address.



Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 39.1:

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

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

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

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

Condition 40: Performance testing timeline.

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 40.1:

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 41: Performance test methods.

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 41.1:

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 42: Prior notice.

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 42.1:

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



Item 47.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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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 10/30/2011.

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

Condition 48: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

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

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

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

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

Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Enforceability
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 51.1:
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 52: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 52.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 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 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

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

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

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

Condition 53: Emission Point Definition By Emission Unit
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 53.1:

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 53.2:

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 53.3:

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 53.4:

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

Emission Unit: U-00004

Emission Point: EP005

Height (ft.): 22

Diameter (in.): 12

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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 54: Process Definition By Emission Unit
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 54.1:

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 54.2:

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

Emission Source/Control: ES002 - Combustion

Design Capacity: 30 million Btu per hour

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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 54.3:

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) 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 54.4:

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 54.5:



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 54.6:

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

Condition 55: Emission Unit Permissible Emissions
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 55.1:

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

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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 56: Process Permissible Emissions
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 56.1:

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

Emission Unit: U-00001 Process: NG1
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 4.2 pounds per hour
22,100 pounds per year

Emission Unit: U-00001 Process: OL2
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 17 pounds per hour
29,800 pounds per year

Emission Unit: U-00003 Process: NG2
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 2.1 pounds per hour
18,400 pounds per year

Condition 57: Monitoring frequency waiver.
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 57.1:

This Condition applies to Emission Unit: U-00001

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

Condition 58: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: OL2

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 59: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 59.1:

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The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: OL2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 60: Enforceability.

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 60.1:

This Condition applies to Emission Unit: U-00001

Process: OL2

Item 60.2:

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 61: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 05/02/2011 and 05/01/2016**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 61.1:

This Condition applies to:

Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 61.1:

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

Item 61.2.3:

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 62: EPA Region 2 address.
Effective between the dates of 05/02/2011 and 05/01/2016**



Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 62.1:

This Condition applies to:

Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 62.1:

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

Item 62.2.3:

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

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

Copies of all correspondence to the administrator pursuant to this part shall also be

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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 63: Date of Construction Notification - if a COM is used.
Effective between the dates of 05/02/2011 and 05/01/2016**

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

Item 63.1:

This Condition applies to:

Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES003
Emission Unit: U00001 Process: OL2	Emission Point: EP001 Emission Source: ES004
Emission Unit: U00003 Process: NG2	Emission Point: EP003 Emission Source: S0010
Emission Unit: U00003 Process: NG2	Emission Point: EP004 Emission Source: S0011

Item 63.1:

This Condition applies to Emission Unit: U-00001 Emission Point: EP001



Process: NG1

Emission Source: ES001

Item 63.2.3:

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

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

Condition 64: Recordkeeping requirements.
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 64.1:

This Condition applies to:

Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES001
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES002
Emission Unit: U00001 Process: NG1	Emission Point: EP001 Emission Source: ES003



Process: OL2 Emission Source: ES004

Emission Unit: U00003 Emission Point: EP003
Process: NG2 Emission Source: S0010

Emission Unit: U00003 Emission Point: EP004
Process: NG2 Emission Source: S0011

Item 69.1:

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

Item 69.2.3:

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 70: Compliance Certification

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 70.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 71: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 71.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.



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

Condition 72: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 72.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification 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 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, 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 73: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 73.1:

The Compliance Certification activity will be performed for:

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

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

Item 73.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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 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 10/30/2011.

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

Condition 74: Compliance Certification

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 74.1:

The Compliance Certification 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 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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 10/30/2011.

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

Condition 75: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 75.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification 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 75.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 76: Compliance Certification

Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP003

Process: NG2

Item 76.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six

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minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 77.1:

The Compliance Certification activity will be performed for:

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

Item 77.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2011.
Subsequent reports are due every 6 calendar month(s).



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

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

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

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

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

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

Condition 78: Contaminant List
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable State Requirement:ECL 19-0301

Item 78.1:
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 79: Unavoidable noncompliance and violations
Effective between the dates of 05/02/2011 and 05/01/2016

Applicable State Requirement: 6 NYCRR 201-1.4

Item 79.1:

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

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

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

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

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which

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

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

Item 82.2:

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

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 10/30/2011.

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

Condition 83: Compliance Demonstration
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 83.1:

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 Emission Point: EP001

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Process: NG1 Emission Source: ES003

Emission Unit: U-00001 Emission Point: EP001
Process: NG1 Emission Source: ES004

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: 0NY210-00-0 OXIDES OF NITROGEN

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each of the four 30 MM Btu/hr Johnston Pftar boiler (Emission Sources ES001, ES002, ES003 and ES004) will be stack tested prior to July 1, 2014 to show compliance with the new NO_x RACT regulations for the gas/distillate oil emission limit of 0.08 pounds of NO_x per million Btus.

The four 30 MM Btu/hr each Johnston Pftar boilers (Emission Sources ES001, ES002, ES003 and ES004) in Emission Unit U-00001 have been re-designated from "small" regulated boilers to "mid-size" regulated boilers.

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.

Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: 40 CFR Part 60, App A, Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Demonstration
Effective between the dates of 05/02/2011 and 05/01/2016

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

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Item 84.1:

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 84.2:

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 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 4/30/2012.

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

Condition 85: Compliance Demonstration
Effective between the dates of 05/02/2011 and 05/01/2016

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

Item 85.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00004
Process: NG3

Emission Point: EP005
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: ES023

Emission Unit: U-00004
Process: NG3

Emission Point: EP006
Emission Source: ES024

Emission Unit: U-00004
Process: OL3

Emission Point: EP005
Emission Source: ES021



Emission Unit: U-00004
Process: OL3

Emission Point: EP005
Emission Source: ES022

Emission Unit: U-00004
Process: OL3

Emission Point: EP006
Emission Source: ES023

Emission Unit: U-00004
Process: OL3

Emission Point: EP006
Emission Source: ES024

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

Item 85.2:

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 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

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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 4/30/2012.

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

