



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6204-00059/00001
Effective Date: 05/13/2014 Expiration Date: 05/12/2019

Permit Issued To: MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029-6504

Contact: SALVATORE J TRANCHINA
MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029
(212) 659-9045

Facility: MOUNT SINAI HOSPITAL
1 GUSTAVE L LEVY PL|1450 MADISON AVE
NEW YORK, NY 10029

Contact: MARK A MATTHEWS, SR
MOUNT SINAI MEDICAL ENVIRONMENTAL HEALTH & SAFETY
ONE GUSTAVE L LEVY PLACE BOX 1091
NEW YORK, NY 10029
(212) 241-5909

Description:

PERMIT DESCRIPTION
Mount Sinai Hospital
DEC ID # 2-6204-00059/00001 ATV (Ren 2)

Mount Sinai Hospital, located at 1 Gustave Levy Place in New York, New York, is a complete research and teaching hospital and consists of the Mount Sinai Hospital and Mount Sinai School of Medicine. The Industrial Classification Code (SIC) for this facility is 8062 - Medical facility.

An Air State facility permit, DEC ID #2-6204-00059/00005, became effective on 10/03/2011 for the construction of the new boilers to replace the old boilers. This application for the renewal of the Title V permit encompasses the integration of the Air State Facility permit into the Title V Air permit. The new boilers will not operate under "NO_x curves" as did the old boilers. Instead, the boilers will comply with NO_x RACT Part 227-2.6 (a) (3) (i) and Part 227-2.6 (a) (3) (c).



The facility operates six (6) steam generating boilers. During the term of this permit renewal #2, four of the old boilers (B1, B2, B3 & B4) will be replaced by new boilers and the other two boilers (B5 & B6) will be refurbished as new boilers. The old boilers are identified as Emission Unit U-C0001. Four (4) of the old boilers – B1, B2, B3 & B4 (Emission Sources B0001, B0002, B0003 and B0004) – are each rated at 60 MM Btu of heat input per hour to generate 50,000 lbs of steam per hour at 125 psig. Two of the old boilers – B5 & B6 (Emission Sources B0005 and B0006) – are each rated at 95 MM Btu of heat input per hour to generate 80,000 lbs of steam per hour at 125 psig. The old boilers fired natural gas (primary fuel) or residual #6 fuel oil (secondary fuel). The six new/refurbished boilers will fire natural gas as the primary fuel or distillate #2 fuel oil as the secondary fuel, and are designated as Emission Unit U-B0001. The four old boilers will be replaced by four new Victory Energy Voyager Series boilers designated as Emission Sources BLR01, BLR02, BLR03 & BLR04 of Emission Unit U-B0001. Each of the new four boilers is rated at 60 MM Btu of heat input per hour to generate 50,000 lbs of steam per hour at 125 psig. The maximum annual natural gas fuel consumption of each boiler is 500.5 million cubic feet based on the assumption of 1,050 Btu per cubic foot. The other two boilers (refurbished) of Emission Unit U-B0001, designated as Emission Sources BLR05 & BLR06, are refurbished Victory Energy Voyager Series boilers, each rated at 95 MM Btu of heat input per hour to generate 80,000 lbs of steam per hour at 125 psig. The maximum annual natural gas fuel consumption of each of these two boilers is 792.57 million cubic feet (1,050 Btu per cubic foot). All six (6) Victory Energy boilers will be complete with low NO_x burners (LNB) and flue gas recirculation (FGR) for NO_x emission reduction. Associated with the refurbishment or modification of Boilers 5 & 6, and the replacement of Boilers 1, 2, 3 & 4 is the extension of the elevation of the existing stack height by 30 feet from 514 to 544 feet, unless further plume modeling alleviates this requirement.

The installation of the new/refurbished boilers, BLR01, BLR02, BLR03, BLR04, BLR05 & BLR06, with LNB and FGR is associated with a manufacturer's guarantee of maximum NO_x emission rate for compliance with 6 NYCRR Part 227-2 NO_x RACT regulation for "Mid-size" boilers firing either distillate oil or natural gas on or after July 1, 2014 of 0.08 lbs NO_x per million Btu heat input. A "mid-size" boiler is defined as a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. The PTE of NO_x emissions will be reduced by 64% when firing natural gas, and by 73% when firing fuel oil in comparison to the old boilers. In addition, the replacement of the six old boilers with Emission Unit U-B0001 Emission Sources BLR01, BLR02, BLR03, BLR04, BLR05 & BLR06 will also result in reduction in Potential to Emit (PTE) rates for the following



contaminants: VOC, SO₂, Pb, and Particulates/PM-10/PM-2.5.

During the term of the renewed permit with an effective date of 5/13/2014, the facility will be in transition replacing five (5) old boilers with five (5) new boilers. One of the old boilers, Emission Source B-0006, has been refurbished in 2013 and replaced with all new parts. It is essentially a Victory boiler, designated as Emission Source BLR06 in the Air State Facility Permit, DEC ID # 2-6204-00059/00005. During the term of the renewed permit, the facility will operate five (5) old boilers part of the time as indicated in the construction schedule below and one (1) new boiler (Emission Source BLR06) all of the time and five (5) new boilers (Emission Sources BLR01, BLR02, BLR03, BLR04 & BLR05) part of the time.

Boiler #	Construction---Operation Schedule	Available Steam (lb/hr) During Construction
BLR06	7/01/2012 -- 12/31/2013	140,000
BLR05	4/01/2013 -- 7/01/2014	180,000
BLR04	7/01/2014 -- 12/01/2014	235,000
BLR03	12/01/2014 -- 6/01/2015	235,000
BLR02	12/01/2014 -- 6/01/2015	235,000
BLR01	6/01/2015 -- 11/01/2015	310,000

All five (5) old boilers are capable of firing either natural gas (primary fuel) or #6 fuel oil (residual fuel oil) as a back-up. Four (4) of the old boilers (Emission Sources B0001, B0002, B0003 & B0004) are Combustion Engineering units, each rated at 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output. Old Boiler #5 (Emission Source B0005) is a Keystone unit rated at 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output. The facility currently has five (5) boilers, Boiler #1, Boiler #2, Boiler #3, Boiler #4 & Boiler #5 (Emission Sources B0001, B0002, B0003, B0004 & B0005); respectively in Emission Unit U-C0001, which burn primarily natural gas (Processes G14 & G5) and are capable of firing #6 fuel oil (Processes O14 & O5) as a back-up. The emissions from all six boilers all exhaust through one stack (Emission Point C0001). The boilers and stack are located in the Annenberg Building.

During the term of the renewed permit with an effective date of 5/13/2014, the



facility will eventually operate six (6) new boilers manufactured by Victory Energy Voyager described in the Air State Facility Permit, DEC ID # 2-6204-00059/00005 as Emission Unit U-B0001 with Emission Sources BLR01, BLR02, BLR03, BLR04, BLR05 & BLR06, associated with their common stack, Emission Point B0001. Emission Sources BLR01, BLR02, BLR03 & BLR04 are each nominally rated at 60 million Btu heat input per hour to generate 50,000 lbs steam per hour replacing Emission Sources B0001, B0002, B0003 & B0004. Emission Sources BLR05 and BLR06 are each nominally rated at 95 million Btu heat input per hour producing 80,000 lbs steam per hour replacing Emission Sources B0005 and B0006. The schedule for the boiler replacements is listed above and is also included in the Project Description. The new Victory Energy boilers will fire natural gas as the primary fuel (Process G41 for BLR01, BLR02, BLR03 & BLR04, and Process G65 for BLR05 & BLR06), and distillate #2 fuel oil as the secondary fuel (Process O41 for BLR01, BLR02, BLR03 & BLR04, and Process O65 for BLR05 & BLR06). Emission Point B0001 is the same as Emission Point C0001, except that the top elevation will be 30 feet higher unless further plume modeling indicates that such an elevation increase is not warranted. The stack has a continuous opacity monitor (COMS).

The proposed dates of construction commencement of the four new replacement these boilers are as follows for BLR01: 6/1/2015, BLR02: 12/1/2014, BLR03: 12/1/2014, BLR04: 7/1/2014. In addition, the projected construction dates for the two refurbishment or modified boilers is as follows for BLR05: 4/1/2013 and BLR06: 7/1/2012. Once all six (6) boilers are constructed/modified, the facility can operate these six (6) boilers under the Title V permit renewal #2, which incorporates these modifications incorporate these modifications.

The facility has submitted calculated NO_x PTE rates for years 2013, 2014, 2015 and 2016 based upon the construction schedule for the transition from the old boilers to the new boilers. In the year 2013, the calculated NO_x PTE is 361.5 tons as the new Victory Energy BLR06 is scheduled to be operational at the beginning of the year 2013; the old boiler B0005 is calculated to operate for only 90 days during the 2013 year; and the old boiler B0004 is scheduled for operation for only 66% of the 2013 year. The calculated NO_x PTE for the year 2014 is 194.3 tons, a 46% decrease from the calculated PTE for previous year. The calculated NO_x PTE for the year 2016 when all of the new boilers are 100% operational is 150.7 tons, which is 58% less than the first year of the renewed permit, in the year 2013. Each of the new boilers (Emission Sources BLR01, BLR02, BLR03, BLR04, BLR05 & BLR06) is equipped with a low NO_x burner (LNB) and flue gas recirculation (FGR) and the secondary fuel is distillate #2 fuel oil, not #6 fuel oil anymore. These features support the manufacturer's NO_x



emission rate guarantee of 0.08 lbs NO_x per million Btu heat input.

The facility is subject to the provisions for fuel sulfur content limitations per 6 NYCRR 225-1. The current Title V permit describes these limits for the sulfur dioxide contaminant - sulfur content of residual #6 fuel oil utilized throughout the facility is 0.30% by weight or less; the sulfur content of distillate #2 fuel oil utilized throughout the facility is 0.20% by weight or less till June 30, 2014 and 0.0015% by weight thereafter. The Emission Point B0001 is subject to the particulate and smoke emission and corrective action requirements of 6 NYCRR 227, Stationary Combustion Installations, 6 NYCRR 227.2(b)(1), 0.10 lbs/MM BTU as a two-hour average.

Prior to July 1, 2014, the facility is also subject to 6 NYCRR 227-2.4 (c) (2), Reasonably Available Control Technology (RACT), for oxides of nitrogen for mid-size boilers. The old boilers will comply with NO_x RACT emission limit of 0.10 lb NO_x per million Btu heat input per hour when firing natural gas and 0.30 lb NO_x per million Btu heat input per hour when firing residual #6 fuel oil. On or after to July 1, 2014, the new boilers will comply with NO_x RACT emission limit of 0.08 lb NO_x per million Btu heat input per hour when firing either natural gas or distillate #2 fuel oil.

The facility campus has fifteen (15) diesel generators, which are used as an emergency backup power source and can fire distillate fuel oil (#2 fuel oil). Each emergency generator is exempt from permitting requirements, providing restrictive operation is maintained (each operating < 500 hours annually). The facility shall keep records to demonstrate that each engine operates below the limit. Each engine burns diesel fuel (distillate fuel oil), which must not contain more than 0.20% by weight sulfur till June 30, 2014 and 0.0015% by weight thereafter according to 6 NYCRR 225-1.2 (g) & (h). The facility campus contains nine (9) distillate fuel oil storage tanks with storage capacities ranging between 800 and 50,000 gallons (<300,000 barrels), and three hundred and three (303) laboratory fume hoods.

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or subpart JJJJ meet the requirements of 40 CFR 63 subpart ZZZZ. Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII. Facilities that have a reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ. The eleven (11) emergency generators at this facility are subject to the 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart ZZZZ.



One of the nine facility campus tanks, Tank #006 (Emission Source TK006 in Emission UnitU-C0001), which is a 20,000 gallon distillate oil storage tank, for which the facility is required to have available the tank dimensions and an analysis showing the capacity of the tank to comply with the New Source Performance Standards (NSPS) of 40 NYCRR Part 60, Subpart Kb. The rest of the tanks (eight tanks) were constructed before the applicability dates of Subparts K, Ka, and Kb or are smaller than the applicability threshold capacities. The residual #6 fuel oil storage tank and delivery system will be converted to handle distillate #2 fuel oil as part of the transition from the old boilers to the new boilers.

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 submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

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

Item 5.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6204-00059/00001

Facility DEC ID: 2620400059



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029-6504

Facility: MOUNT SINAI HOSPITAL
1 GUSTAVE L LEVY PL | 1450 MADISON AVE
NEW YORK, NY 10029

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

Permit Effective Date: 05/13/2014

Permit Expiration Date: 05/12/2019



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (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 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 24 6 NYCRR 202-1.3: Acceptable procedures
- 25 6 NYCRR 211.1: Air pollution prohibited
- 26 6 NYCRR 225-1.2 (b): Compliance Certification
- 27 6 NYCRR 225-1.2 (d): Compliance Certification
- 28 6 NYCRR 225-1.2 (g): Compliance Certification
- 29 6 NYCRR 225-1.2 (h): Compliance Certification
- 30 6 NYCRR 227-1.3: Compliance Certification
- 31 6 NYCRR 227-1.4 (b): Compliance Certification
- 32 6 NYCRR 227-2.4 (c) (1): Compliance Certification
- 33 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification
- 34 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification
- 35 6 NYCRR 227-2.6 (a): Compliance Certification
- 36 6 NYCRR 227-2.6 (c): Compliance Certification
- 37 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 38 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 39 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 40 40CFR 60, NSPS Subpart IIII: Compliance Certification
- 41 40CFR 63, Subpart ZZZZ: Compliance Certification

Emission Unit Level

- 42 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit

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43 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-B0001,EP=B0001,Proc=G41,ES=BLR01

44 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

45 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=U-B0001,EP=B0001,Proc=O41,ES=BLR01

46 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.

47 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source

48 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.

49 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability

50 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification

EU=U-B0001,EP=B0001,Proc=O41,ES=BLR01

51 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.

52 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification

53 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Certification

54 40CFR 60.48c(e)(2), NSPS Subpart Dc: Compliance Certification

55 40CFR 60.48c(e)(3), NSPS Subpart Dc: Compliance Certification

56 40CFR 60.48c(e)(4), NSPS Subpart Dc: Compliance Certification

57 40CFR 60.48c(e)(7), NSPS Subpart Dc: Compliance Certification

58 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

59 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

60 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

61 ECL 19-0301: Contaminant List

62 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

63 6 NYCRR 211.2: Visible Emissions Limited



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, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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

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

Item B: 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 201-6.2 (a) (4)

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and 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 201-6.4 (a) (5)

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

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

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

New York State Department of Environmental Conservation

Permit ID: 2-6204-00059/00001

Facility DEC ID: 2620400059



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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V 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 201-6.4 (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

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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 05/13/2014 and 05/12/2019

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 05/13/2014 and 05/12/2019

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 05/13/2014 and 05/12/2019

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

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Item 3.1:

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

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

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

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 05/13/2014 and 05/12/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 05/13/2014 and 05/12/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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

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Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 6: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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

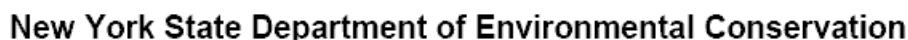
Monitoring Description:

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 record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

- 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



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Air Pollution Control Permit Conditions

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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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 05/13/2014 and 05/12/2019

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 05/13/2014 and 05/12/2019

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.

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- (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 05/13/2014 and 05/12/2019

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

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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 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

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

Effective between the dates of 05/13/2014 and 05/12/2019

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 05/13/2014 and 05/12/2019

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 14.1:

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

Condition 15: Requirement to Provide Information

Effective between the dates of 05/13/2014 and 05/12/2019

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

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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: Right to Inspect

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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: Off Permit Changes

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:40CFR 82, Subpart F

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Item 20.1:

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 21: Emission Unit Definition

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-B0001

Emission Unit Description:

Emission Unit U-B0001 consists of a total of six (6) Victory Energy Voyager Series boilers, four are identical boilers (Emission Sources BLR01, BLR02, BLR03 & BLR04) and the other two are identical boilers (Emission Sources BLR05 & BLR06). All six boilers have corresponding Low NOx Burners (LNB), Flue Gas Recirculation (FGR) Emission Controls - BLRC1, BLRC2, BLRC3 BLRC4, BLRC5 & BLRC6; respectively to meet the new lower NOx emission limit of 0.08 lb NOx per million BTU heat input for "midsize" boilers firing distillate oil or natural gas on or after July 1, 2014 under the NOx RACT 6 NYCRR 227-2. The first four boilers (Emission Sources BLR01, BLR02, BLR03 & BLR04) are identical and are replacement boilers with a nominal rated heat input capacity of 60 MM Btu/hr and 50,000 pounds/hr of steam each. The other two boilers (Emission Sources BLR05 & BLR06) are identical boilers, with a nominal rated heat input capacity of 95 MM Btu/hr and 80,000 pounds/hr of steam each, that are being refurbished. The old six boilers (Emission Unit U-C0001) are being replaced or refurbished with six boilers (Emission Unit U-B0001) that comply with the new lower emission rates under the NOx RACT 6 NYCRR 227-2. Boilers #1, 2, 3 and #4 will burn natural gas (Process G41) as the primary fuel, and #2 fuel oil (Process O41) as the back-up fuel. Also, Boiler #5 & #6 will burn natural gas (Process G65) as the primary fuel, and #2 fuel oil (Process O65) as the back-up fuel. The emissions from all six boilers will exhaust through a common stack, identified as Emission Point B0001.

The installation of the new replacement Victory Energy Voyager Series boilers, Boilers #1, #2, #3 & #4 maintains

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the nominal capacity of each of these four boilers at 60.3 million Btu of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil. Each of these four boilers is designed for a maximum saturated steam flow rate of 50,000 pounds per hour at 125 psig. The modification of Boilers #5 and #6 maintains the nominal capacity of each existing boiler at 95 million Btus of heat input per hour and the maximum saturated steam flow rate of 80,000 pounds per hour at 125 psig.

After modification of Boilers #5 & #6, and the installation of the new replacement boilers, Boilers #1, #2, #3 & #4, the primary and secondary fuels will be natural gas and distillate fuel oil; respectively. The maximum total heat input to these six (6) boilers, based on unit ratings, is 430 MM Btu/hr. Emissions from all of the six boilers are exhausted through one common stack, which is identified as Emission Point B0001, except for the top elevation which is 30 feet higher unless plume modeling indicates the top elevation increase is not necessary.

During the term of the renewed permit, the facility will operate five (5) old boilers part of the time as indicated in the construction schedule below and one (1) new boiler (Emission Source BLR06) all of the time and five (5) new boilers (Emission Sources BLR01, BLR02, BLR03, BLR04 & BLR05) part of the time with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC1, BLRC2, BLRC3, BLRC4 & BLRC5. Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls as BLRC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Boiler # (lb/hr)	Construction--	Operation	Available Steam
	Schedule	During	
	Construction		
BLR06 140,000	7/23/2012 -- 12/31/2013		
BLR05 180,000	4/01/2013 -- 7/01/2014		
BLR04 235,000	7/01/2014 -- 12/01/2014		
BLR03	12/01/2014 -- 6/01/2015		235,000

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BLR02 12/01/2014 -- 6/01/2015
235,000

BLR01 6/01/2015 -- 11/01/2015 310,000

Building(s): ANNENBERG

Item 21.2:

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

Emission Unit: U-C0001

Emission Unit Description:

Emission unit U-C0001 consists of a total of five boilers, four are identical Combustion Engineering Type 13.5 (VU-10)-168 boilers, Boilers # 1, # 2, # 3 & # 4 (Emission Sources B0001, B0002, B0003 & B0004) with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each, and one Erie City/16M Keystone boiler, Boiler # 5 (Emission Source B0005) with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each. Each of the five boilers is capable of firing natural gas or # 6 fuel oil (residual fuel). There are separate burners for each fuel. Process G14 is the firing of natural gas in the operation of Boilers #1, # 2, # 3 and # 4 (Emission Sources B0001, B0002, B0003 & B0004), and Process O14 is the firing of # 6 fuel oil in the operation of the same four boilers. Process G55 is the firing of natural gas in the operation of Boiler # 5 (Emission Source B0005), and Process O55 is the firing of # 6 fuel oil in the operation of the same boiler, Boiler # 5 (Emission Source B0005).

The maximum total heat input from these five (5) boilers is 335 MM Btu/hr. All of these five boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the five boilers are exhausted through one common stack, which is identified as Emission Point C0001 and is located in the Annenberg Building. There are nine fuel oil storage tanks that are exempt from permitting, however; Tank 006 constructed in 1997 shall comply with Subpart Kb in 40 CFR 60.

Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

The facility will comply with the NOx RACT emission

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limitation of 0.10 lb NO_x per MMBtu heat input when firing natural gas, and with the NO_x RACT emission limitation of 0.30 lb NO_x per MMBtu heat input when firing # 6 fuel oil (residual oil).

Building(s): ANNENBERG

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 22.1:

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 23: Non Applicable requirements
Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 23.1:

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

40 CFR 60.42c

Reason: 40 CFR 60-Dc.42c, NSPS, which limits the sulfur content in the distillate fuel oil to 0.50 percent by weight, is not applicable to Emission Sources BLR01, BLR02, BLR03 or BLR04 (the four 60 MM Btu/hr Victory energy VS-4-48 replacement boilers) or to Emission Sources BLR05 & BLR06 (the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers) or to this facility. This regulation is overruled by regulations 6 NYCRR 225-1.2 (g)

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& (h), which limits the sulfur content in the distillate fuel oil (#2 oil) to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City through June 30, 2014, and to 0.0015 percent beginning July 1, 2014.

Mount Sinai Hospital must comply with the 0.20 percent by weight and the 0.0015 percent sulfur content limits as per 6 NYCRR 225-1.2 (b), (g) & (h), which are more stringent limits for New York City than 40 CFR 60-Dc.42c, NSPS.

Condition 24: Acceptable procedures
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 24.1:

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 25: Air pollution prohibited
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 25.1:

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

Condition 26: Compliance Certification
Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires either solid fuels or oil are limited to the firing of solid fuels or oil with a sulfur

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content listed in paragraph 6 NYCRR 225-1.2(b) through June 30, 2014.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the firing of residual oil with a sulfur content of 0.30% sulfur.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

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Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

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Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

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Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Compliance with the opacity standard may be determined by:

(1) evaluating the continuous opacity monitoring system (COMS) records and reports; and/or considering any other credible evidence;

(2) The COMS shall be operated according to the manufactures instructions, and properly maintain accurate instruments satisfying the criteria in Appendix B of Title 40 Part 60 of the Code of Federal Regulations (CFR).

Manufacturer Name/Model Number: ROSEMOUNT OPM 2000 Opacity Monitor or Equivalent

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 App B, PS1

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2014.

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

Condition 31: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 6 NYCRR 227-1.4 (b)

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Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and

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6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Manufacturer Name/Model Number: ROSEMOUNT OPM 2000 OPACITY MONITOR or Equivalent

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B, PS1

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2014.

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

Condition 32: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-C0001 Process: G14	Emission Point: C0001 Emission Source: B0001
Emission Unit: U-C0001 Process: G14	Emission Point: C0001 Emission Source: B0002
Emission Unit: U-C0001	Emission Point: C0001

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Process: G14

Emission Source: B0003

Emission Unit: U-C0001

Emission Point: C0001

Process: O14

Emission Source: B0001

Emission Unit: U-C0001

Emission Point: C0001

Process: O14

Emission Source: B0002

Emission Unit: U-C0001

Emission Point: C0001

Process: O14

Emission Source: B0003

Regulated Contaminant(s):

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mount Sinai Hospital is required to perform testing the mid-size boilers, the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources BLR05/BLRC5 & BLR06/BLRC6) to verify the NO_x emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

Prior to July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a limit of 0.12 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

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

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

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and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

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

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NO_x RACT for boilers operating on distillate oil/natural gas is a limit of 0.12 pounds per million Btu per hour prior to July 1, 2014 and a limit of 0.08 pounds per million Btu per hour on or after July 1, 2014.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLRC4

Emission Unit: U-B0001
Process: G65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: G65

Emission Point: B0001
Emission Source: BLR06

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Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLRC5
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLRC6
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC4
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC5
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC6
Emission Unit: U-C0001 Process: G14	Emission Point: C0001 Emission Source: B0001
Emission Unit: U-C0001 Process: G14	Emission Point: C0001 Emission Source: B0002
Emission Unit: U-C0001 Process: G14	Emission Point: C0001 Emission Source: B0003
Emission Unit: U-C0001 Process: O14	Emission Point: C0001 Emission Source: B0001
Emission Unit: U-C0001 Process: O14	Emission Point: C0001 Emission Source: B0002
Emission Unit: U-C0001 Process: O14	Emission Point: C0001 Emission Source: B0003

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mount Sinai Hospital is required to perform testing all
of the six mid-size boilers, the four 60 MM Btu/hr Victory



Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) to verify the NO_x emission limit compliance. The six new boilers will be operating with low NO_x burners and flue gas recirculation (FGR) for NO_x control. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

Prior to July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on residual oil/natural gas have a limit of 0.30 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

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

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.
3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6).

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The six new boilers will be operating with low NOx burners and flue gas recirculation (FGR) for NOx control.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR01
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR02
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR03
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC1
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC2
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC3
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC4
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLRC5

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Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLRC6
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR01
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR02
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR03
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC1
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC2
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC3
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC4
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC5
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC6

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mount Sinai Hospital is required to perform testing all of the six mid-size boilers, the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 &



BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) to verify the NO_x emission limit compliance. The six new boilers will be operating with low NO_x burners and flue gas recirculation (FGR) for NO_x control. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

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

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

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.
3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6).

The six new boilers will be operating with low NO_x burners and flue gas recirculation (FGR) for NO_x control.

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Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: Method 7E, 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 35: Compliance Certification
Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 35.1:

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

Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR01
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR02
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR03
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC1
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC2
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC3
Emission Unit: U-B0001 Process: G41	Emission Point: B0001 Emission Source: BLRC4
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: G65	Emission Point: B0001 Emission Source: BLRC5
Emission Unit: U-B0001	Emission Point: B0001

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Process: G65	Emission Source: BLRC6
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR01
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR02
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR03
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLR04
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC1
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC2
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC3
Emission Unit: U-B0001 Process: O41	Emission Point: B0001 Emission Source: BLRC4
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR05
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLR06
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC5
Emission Unit: U-B0001 Process: O65	Emission Point: B0001 Emission Source: BLRC6
Emission Unit: U-C0001 Process: G55	Emission Point: C0001 Emission Source: B0005
Emission Unit: U-C0001 Process: O55	Emission Point: C0001 Emission Source: B0005

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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§227-2.6 Testing, monitoring, and reporting requirements:

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

(a) The owner or operator of the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) must verify NO_x emissions by performing the applicable testing or monitoring procedure detailed below:

(3) For any mid-size boiler, NO_x emissions must be

(i) measured in accordance with the emission test requirements described in subdivision (c) of this section, or

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

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC3 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NO_x RACT for boilers operating on distillate oil/natural gas is a limit of 0.12 pounds per million Btu per hour prior to July 1, 2014 and a limit of 0.08 pounds per million Btu per hour on or after July 1, 2014.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 36.1:

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

Emission Unit: U-B0001	Emission Point: B0001
Process: G41	Emission Source: BLR01

Emission Unit: U-B0001	Emission Point: B0001
Process: G41	Emission Source: BLR02

Emission Unit: U-B0001	Emission Point: B0001
Process: G41	Emission Source: BLR03

Emission Unit: U-B0001	Emission Point: B0001
Process: G41	Emission Source: BLR04

Emission Unit: U-B0001	Emission Point: B0001
Process: G65	Emission Source: BLR05

Emission Unit: U-B0001	Emission Point: B0001
Process: G65	Emission Source: BLR06

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR01

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR02

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR03

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR04

Emission Unit: U-B0001	Emission Point: B0001
Process: O65	Emission Source: BLR05

Emission Unit: U-B0001	Emission Point: B0001
Process: O65	Emission Source: BLR06

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mount Sinai Hospital is required to perform testing the mid-size boilers, the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M



Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) to verify the NO_x emission limit compliance.

A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

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

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

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.
3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NO_x RACT for boilers operating on distillate oil/natural gas is a limit of 0.12 pounds per million Btu per hour prior to July 1, 2014 and a limit of 0.08 pounds per million Btu per hour on or after July 1, 2014.

Parameter Monitored: OXIDES OF NITROGEN

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Upper Permit Limit: 0.08 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: EPA Region 2 address.

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 37.1:

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 38: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: G41

Emission Point: B0001
Emission Source: BLR04

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Emission Unit: U-B0001
Process: G65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: G65

Emission Point: B0001
Emission Source: BLR06

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to each of the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers, defined in Emission Unit U-B0001 as Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4. This condition also applies to each of the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers, defined in Emission Unit U-B0001 as Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6.

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

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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 7/30/2014.

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

Condition 39: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001

Process: O41

Emission Point: B0001

Emission Source: BLR01

Emission Unit: U-B0001

Process: O41

Emission Point: B0001

Emission Source: BLR02

Emission Unit: U-B0001

Process: O41

Emission Point: B0001

Emission Source: BLR03

Emission Unit: U-B0001

Process: O41

Emission Point: B0001

Emission Source: BLR04

Emission Unit: U-B0001

Process: O65

Emission Point: B0001

Emission Source: BLR05

Emission Unit: U-B0001

Process: O65

Emission Point: B0001

Emission Source: BLR06

Item 39.2:

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 operating day.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

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Condition 40: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 40 CFR 60, NSPS Subpart IIII

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

The fifteen (15) emergency generators at this facility are subject to the 40 CFR Part 60, Subpart IIII.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 40 CFR 63, Subpart ZZZZ

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The fifteen (15) emergency generators at the facility are subject to the 40 CFR Part 63, Subpart ZZZZ.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 42: Emission Point Definition By Emission Unit
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 42.1:

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

Emission Unit: U-B0001

Emission Point: B0001

Height (ft.): 544

Length (in.): 108

Width (in.): 42

NYTMN (km.): 4515.888 NYTME (km.): 588.234 Building: ANNENBERG

Item 42.2:

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

Emission Unit: U-C0001

Emission Point: C0001

Height (ft.): 514

Length (in.): 108

Width (in.): 42

NYTMN (km.): 4515.888 NYTME (km.): 588.234 Building: ANNENBERG

Condition 43: Process Definition By Emission Unit
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:

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

Emission Unit: U-B0001

Process: G41

Source Classification Code: 1-02-006-02

Process Description:

Process G41 is the firing of natural gas in the operation of the four new identical boilers, Boilers # 1, #2, #3 & # 4 (Emission Sources BLR01, BLR02, BLR03 & BLR04) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC1, BLRC2, BLRC3 & BLRC4; respectively, in Emission Unit U-B0001. Emission Sources BLR01, BLR02, BLR03 & BLR04 are four identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr.

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All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point B0001.

Maximum natural gas consumption is 2,002 million cubic feet of per year for Boiler #1, Boiler #2, Boiler #3 & Boiler #4.

The installation of the Victory Energy Voyager boilers, Boilers #1, #2, #3 & #4 maintains the nominal capacity of each of these boilers at 60.3 million Btus of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil.

Emission Source/Control: BLR01 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR02 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR03 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR04 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLRC1 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC2 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC3 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC4 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Item 43.2:

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

Emission Unit: U-B0001

Process: G65

Source Classification Code: 1-02-006-02

Process Description:

Process G65 is the firing of natural gas in the operation

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of the two identical boilers, Boilers # 5 & # 6 (Emission Sources BLR05 & BLR06) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC5 & BLRC6; respectively, in Emission Unit U-B0001. Emission Sources BLR05 & BLR06 are two identical Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each at 125 psig. The maximum total heat input from these two boilers is 190 MM BTU/hr.

These two boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from these two boilers are exhausted through one common stack which is identified as Emission Point B0001.

Maximum natural gas consumption is 1,585 million cubic feet of gas per year for Boiler #5 & Boiler #6.

Boiler #6 (Emission Source B0006) has been already refurbished in 2012 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Emission Source/Control: BLR05 - Combustion
Design Capacity: 95 million Btu per hour

Emission Source/Control: BLR06 - Combustion
Design Capacity: 95 million Btu per hour

Emission Source/Control: BLRC5 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC6 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Item 43.3:

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

Emission Unit: U-B0001

Process: O41

Source Classification Code: 1-02-004-02

Process Description:

Process O41 is the firing of #2 fuel oil (distillate oil) in the operation of the four identical boilers, Boilers # 1, #2, #3 & #4 (Emission Sources BLR01, BLR02, BLR03 & BLR04) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC1, BLRC2, BLRC3 & BLRC4; respectively, in Emission Unit U-B0001. Emission

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Sources BLR01, BLR02, BLR03 & BLR04 are four identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr. Distillate fuel oil has heat capacity of 140,000 Btu/gal.

$$\{(240 \text{ MM BTU/hr}) \times (8,760 \text{ hrs/yr})\} \times 1/(140,000 \text{ Btu/gal}) = 15.017 \text{ MM gal/yr}$$

Maximum #2 fuel oil (distillate oil) consumption is 15.017 million gallons per year for Boiler #1, Boiler #2, Boiler #3 & Boiler #4.

All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point B0001.

The installation of the Victory Energy boilers, Boilers #1, #2, #3 & #4 maintains the nominal capacity of each of these boilers at 60.3 million Btus of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil.

Emission Source/Control: BLR01 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR02 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR03 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR04 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLRC1 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC2 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC3 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC4 - Control

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Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Item 43.4:

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

Emission Unit: U-B0001

Process: O65

Source Classification Code: 1-02-005-02

Process Description:

Process O65 is the firing of #2 fuel oil (distillate oil) in the operation of the two identical boilers, Boilers # 5 & # 6 (Emission Sources BLR05 & BLR06) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC5 & BLRC6; respectively in Emission Unit U-B0001. Emission Sources BLR05 & BLR06 are two identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each at 125 psig. The maximum total heat input from these two boilers is 190 MM BTU/hr. Distillate fuel oil has heat capacity of 140,000 Btu/gal.

$$\{(190 \text{ MM BTU/hr}) \times (8,760 \text{ hrs/yr})\} \times 1/(140,000 \text{ Btu/gal}) = 11.889 \text{ MM gal/yr}$$

Maximum #2 fuel oil consumption is 11.89 million gallons per year for Boilers #5 & Boiler #6.

These two boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from these two boilers are exhausted through one common stack which is identified as Emission Point B0001.

Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Emission Source/Control: BLR05 - Combustion
Design Capacity: 95 million Btu per hour

Emission Source/Control: BLR06 - Combustion
Design Capacity: 95 million Btu per hour

Emission Source/Control: BLRC5 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC6 - Control

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Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Item 43.5:

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

Emission Unit: U-C0001

Process: G14

Source Classification Code: 1-02-006-02

Process Description:

Process G14 is the firing of natural gas in the operation of the four identical boilers, Boilers #1, # 2, # 3 and # 4 (Emission Sources B0001, B0002, B0003 & B0004) in Emission Unit U-C0001. Emission Sources B0001, B0002, B0003 & B0004 are four identical Combustion Engineering type 13.5 (VU-10)-168 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr. All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point C0001.

Emission Source/Control: B0001 - Combustion

Design Capacity: 60 million Btu per hour

Emission Source/Control: B0002 - Combustion

Design Capacity: 60 million Btu per hour

Emission Source/Control: B0003 - Combustion

Design Capacity: 60 million Btu per hour

Emission Source/Control: B0004 - Combustion

Design Capacity: 60 million Btu per hour

Item 43.6:

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

Emission Unit: U-C0001

Process: G55

Source Classification Code: 1-02-006-02

Process Description:

Process G55 is the firing of natural gas in Boiler #5, Emission Source B0005 in Emission Unit U-C0001, an Erie City/16M Keystone boiler with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output. The maximum total heat input from this boiler is 95 MM BTU/hr. In addition to Boiler #5, four more boilers (60 MM BTU/hr each, are identified as Emission Sources B0001, B0002, B0003 & B0004, and operate on natural gas via Process G14) are collectively identified as Emission Unit U-C0001, and all of the five

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boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the five boilers are exhausted through one common stack which is identified as Emission Point C0001.

Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Emission Source/Control: B0005 - Combustion
Design Capacity: 95 million Btu per hour

Item 43.7:

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

Emission Unit: U-C0001

Process: O14

Source Classification Code: 1-02-004-02

Process Description:

Process O14 is the firing of # 6 fuel oil (residual oil) in the operation of the four identical boilers, Boilers #1, # 2, # 3 and # 4 (Emission Sources B0001, B0002, B0003 & B0004) in Emission Unit U-C0001. Emission Sources B0001, B0002, B0003 & B0004 are four identical Combustion Engineering type 13.5 (VU-10)-168 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr. All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point C0001.

Emission Source/Control: B0001 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: B0002 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: B0003 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: B0004 - Combustion
Design Capacity: 60 million Btu per hour

Item 43.8:

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

Emission Unit: U-C0001

Process: O55

Source Classification Code: 1-02-005-02

Process Description:

Process O55 is the firing of # 6 fuel oil (residual oil) in the operation of Boiler # 5 (Emission Sources B0005) in Emission Unit U-C0001. Emission Source B0005 is an Erie City/16M Keystone boiler with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output. The maximum heat input from this boiler is 95 MM BTU/hr. In addition to Boiler #5, four more boilers (60 MM BTU/hr each, are identified as Emission Source B0001, B0002, B0003 & B0004, and operate on # 6 fuel oil via Process O14) are collectively identified as Emission Unit U-C0001, and all of the five boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the five boilers are exhausted through one common stack which is identified as Emission Point C0001.

Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Emission Source/Control: B0005 - Combustion

Design Capacity: 95 million Btu per hour

Condition 44: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 44.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: G41 Emission Source: BLR01

Item 44.2:

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

Condition 45: Compliance Certification Effective between the dates of 05/13/2014 and 05/12/2019

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

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Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

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

3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.

4) Facility shall keep records of all testing done at this

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stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Performance testing timeline.

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 46.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

Item 46.2:

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

Condition 47: Applicability of this Subpart to this emission source

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 47.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

Item 47.2:

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

Condition 48: Exemption from the averaging period.

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 48.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

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Item 48.2:

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

Condition 49: Enforceability

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 49.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

Item 49.2:

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 50: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR01

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR02

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR03

Emission Unit: U-B0001	Emission Point: B0001
Process: O41	Emission Source: BLR04

Emission Unit: U-B0001	Emission Point: B0001
Process: O65	Emission Source: BLR05

Emission Unit: U-B0001	Emission Point: B0001
Process: O65	Emission Source: BLR06

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

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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 7/30/2014.

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

**Condition 51: Exemption from sulfur dioxide monitoring requirements.
Effective between the dates of 05/13/2014 and 05/12/2019**

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

Item 51.1:

This Condition applies to Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

Item 51.2:

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 52: Compliance Certification
Effective between the dates of 05/13/2014 and 05/12/2019**

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

Item 52.1:

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

Emission Unit: U-B0001

Emission Point: B0001

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Process: O41 Emission Source: BLR01

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR02

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR03

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR04

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR05

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR06

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 53: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 53.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR01

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR02

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR03

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Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 54: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001

Emission Point: B0001

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Process: O41

Emission Source: BLR04

Emission Unit: U-B0001

Emission Point: B0001

Process: O65

Emission Source: BLR05

Emission Unit: U-B0001

Emission Point: B0001

Process: O65

Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO₂ emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 55: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 40CFR 60.48c(e)(3), NSPS Subpart Dc

Item 55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001

Emission Point: B0001

Process: O41

Emission Source: BLR01

Emission Unit: U-B0001

Emission Point: B0001

Process: O41

Emission Source: BLR02

Emission Unit: U-B0001

Emission Point: B0001

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Process: O41

Emission Source: BLR03

Emission Unit: U-B0001

Emission Point: B0001

Process: O41

Emission Source: BLR04

Emission Unit: U-B0001

Emission Point: B0001

Process: O65

Emission Source: BLR05

Emission Unit: U-B0001

Emission Point: B0001

Process: O65

Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average percent of potential SO₂ emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 56: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 40CFR 60.48c(e)(4), NSPS Subpart Dc

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001

Emission Point: B0001

Process: O41

Emission Source: BLR01

Emission Unit: U-B0001

Emission Point: B0001

Process: O41

Emission Source: BLR02

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Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Identification of any steam generating unit operating days for which SO₂ or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 57: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

Applicable Federal Requirement: 40CFR 60.48c(e)(7), NSPS Subpart Dc

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

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Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR05

Emission Unit: U-B0001
Process: O65

Emission Point: B0001
Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 58: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

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Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR02

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR03

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR04

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

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 59: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001
Process: O41

Emission Point: B0001
Emission Source: BLR01

Emission Unit: U-B0001

Emission Point: B0001

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Process: O41 Emission Source: BLR02

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR03

Emission Unit: U-B0001 Emission Point: B0001
Process: O41 Emission Source: BLR04

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR05

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR06

Item 59.2:

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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 60: Compliance Certification

Effective between the dates of 05/13/2014 and 05/12/2019

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

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR05

Emission Unit: U-B0001 Emission Point: B0001
Process: O65 Emission Source: BLR06

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

New York State Department of Environmental Conservation

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Facility DEC ID: 2620400059



Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 61: Contaminant List
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable State Requirement:ECL 19-0301

Item 61.1:

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

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

New York State Department of Environmental Conservation

Permit ID: 2-6204-00059/00001

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

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

Condition 62: Malfunctions and start-up/shutdown activities
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 62.1:

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

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

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

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

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

Condition 63: Visible Emissions Limited
Effective between the dates of 05/13/2014 and 05/12/2019

Applicable State Requirement:6 NYCRR 211.2

New York State Department of Environmental Conservation

Permit ID: 2-6204-00059/00001

Facility DEC ID: 2620400059



Item 63.1:

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

