



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6201-00005/00007

Renewal Number: 3

11/05/2018

Facility Identification Data

Name: NEW YORK PRESBYTERIAN HOSPITAL

Address: 622 W 168TH ST

NEW YORK, NY 10032-3702

Owner/Firm

Name: THE NEW YORK AND PRESBYTERIAN HOSPITAL

Address: 525 E 68TH ST

NEW YORK, NY 10065-4885, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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Long Island City, NY 11101-5401

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Division of Air Resources:

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Air Permitting Contact:

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Address: NEW YORK PRESBYTERIAN HOSPITAL

627 W 165th St

New York, NY 10032-3790

Phone:2123051866

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

Application for renewal of Air Title V Facility.

There are no changes in the operation of the emission sources at this facility.



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Attainment Status

NEW YORK PRESBYTERIAN HOSPITAL is located in the town of MANHATTAN in the county of NEW YORK.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	MODERATE NON-ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

New York Presbyterian Hospital (NYPH), located at 622 West 168th Street, New York, NY (Uptown Campus), operates a few emission sources that include four large size dual fuel (oil and gas) boilers. Two of these four large boilers are old 150 MM Btu/hr Combustion Engineering (each) - Emission Sources 00004 & 00005 and they were both installed on 1/1/1967, and the other two are newer 137.8 MM Btu/hr Babcock & Wilcox (each) and they were both installed on 5/1/2005 (Emission Source 00008 and Emission Source S0009). This application is submitted to renew the Title V permit. On 6/14/2012, a minor second permit modification to Ren #1 was issued for the four large size boilers to upgrade their burners and to switch from #6 fuel oil to #2 fuel oil firing and thus demonstrate compliance with the new 6 NYCRR 227-2 NOx RACT (Oxides of Nitrogen Reasonably Available Control Technology) effective July 1, 2014 to also include Flue Gas Recirculation (FGR) system. The #2 fuel oil firing began on July 1st, 2014 (when the #6 fuel oil -Process 002 usage terminated).

The facility includes the following emission sources:

- (i) Two 137.8 MM Btu/hr each new Babcock & Wilcox/FM-2566 boilers, operating on both natural gas & # 2 fuel oil - Emission Sources 00008 & S0009, and
- (ii) Two 150 MM Btu/hr each Combustion Engineering/VP-12W boilers, operating on both natural gas & # 2 fuel oil - Emission Sources 00004 & 00005.

The NOx RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour) operating on gas/oil is 0.15 lb/MM Btus effective July 1, 2014.

In addition to the four boilers mentioned above, the facility also operates eight (8) emergency generators, eighteen (18) water cooling towers, thirteen (13) fuel oil storage tanks and several fume hoods. Also, the Ethylene Oxide sterilizers and associated abato (Emission Unit U-00002) were removed on April 30, 2011.



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Capacities and Fuel Consumption from the Emergency Generators:

#	Equipment	Year Installed	Rating (KW)	Actual Usage (GPY)	Location
1	CAT 3516 SN: 25Z00715	2000	1400	5,163	Basement, Milstein Hosp Bldg
2	CAT 3516 SN: 25Z00714	2000	1400	5,163	Basement, Milstein Hosp Bldg
3	CAT 3516B SN: B6HN00425	2000	2000	7,376	Basement, Milstein Hosp Bldg
4	CAT 3156B SN: 1HZ02099	2003	2000	7,376	CHONY North
5	CAT 3156B SN: 1HZ02101	2003	2000	7,376	CHONY North
6	CAT 3512 SN: 83Z12599	2000	125	461	166th St. Garage
7	CAT 3512 SN: EBG00278	2008	1500	5,532	Roof, Milstein Hosp Bldg
8	CAT 3512 SN: EBG00279	2008	1500	5,532	Roof, Milstein Hosp Bldg

All 8 emergency generators operate on diesel fuel. The maximum hourly capacity of all 8 emergency generators is 845.74 GPH, the Actual Annual Usage for all 8 emergency generators is 43,979, and the Maximum Annual (PTE) Capacity for all 8 emergency generators is 422,872 GPY.

Furthermore, the facility does not participate in any demand response or non-emergency programs. The generators are used for purely emergency purposes only, not for any Distributed Generators.

The four (4) boilers will be operated such that the facility-wide NOx emissions will continue to remain under the 173.37 tpy cap, and the facility-wide SO2 emissions will continue to remain under the 140.66 tpy cap.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2 (c), including eight (8) emergency diesel generators (<500 hours per year each), thirteen (13) fuel oil storage tanks (<300,000 barrels), eighteen (18) water cooling towers and several laboratory fume hoods.

Permit Structure and Description of Operations

The Title V permit for NEW YORK PRESBYTERIAN HOSPITAL is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source



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and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

NEW YORK PRESBYTERIAN HOSPITAL is defined by the following emission unit(s):

Emission unit U00001 - Emission Unit U-00001 consists of four boilers, two boilers are 150 MM Btu/hr (each) Combustion Engineering/VP-12W (Emission Sources 00004 & 00005), and the other two boilers are 137.8 MM Btu/hr (each) Babcock & Wilcox/FM-2566 (Emission Sources 00008 & S0009). All four boilers operate on natural gas (Process 001) and #2 fuel oil (Process 003). As of July 1, 2014, the facility has switched from firing # 6 fuel oil (Process 002) to firing # 2 fuel oil (Process 003) on all four boilers.

The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

The NO_x RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour) operating on gas/oil is 0.15 lb/MM Btus effective July 1, 2014.

Emission unit U00001 is associated with the following emission points (EP):
00001

Process: 001 is located at BASEMENT, Building HOSPITAL - Process 001 is the firing of natural gas in Boilers 004, 005, 008 & 009 (Emission Sources 00004, 00005, 00008 & S0009) in Emission Unit U-00001. The four boilers burn natural gas (Process 001), #6 fuel oil (Process 002) until June 30th, 2014 and #2 fuel oil (Process 003) on and after July 1st, 2014 to generate steam for heating the hospital buildings. The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

The NO_x RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 Btus effective July 1, 2014.



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To remain below Prevention of Significant Deterioration (PSD - 40 CFR 52-A.21) thresholds, the #6 fuel oil consumption will be limited so that the facility will follow a single NOx and SO2 capping of 173.3 tons and 140.3 tons per year; respectively.

Process: 003 is located at BASEMENT, Building HOSPITAL - Process 003 is when one or more of the four Boilers 004, 005, 008 & 009 (Emission Sources 00004, 00005, 00008 & S0009) in Emission Unit U-00001 fire #2 fuel oil that began on July 1st, 2014 (when the #6 fuel oil -Process 002 usage terminated) to generate steam for heating the hospital buildings. The exhaust gases are discharged to the atmosphere via a common stack connected to the existing boilers, identified as Emission Point 00001.

To remain below Prevention of Significant Deterioration (PSD - 40 CFR 52-A.21) thresholds, the #6 fuel oil consumption will be limited so that the facility will follow a single NOx and SO2 capping of 173.3 tons and 140.3 tons per year; respectively.

The NOx RACT limit for large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour) operating on gas/oil is 0.15 lb/MM Btus effective July 1, 2014.

Title V/Major Source Status

NEW YORK PRESBYTERIAN HOSPITAL is subject to Title V requirements. This determination is based on the following information:

New York Presbyterian Hospital is a major facility because the potential emissions of carbon monoxide, nitrogen oxides and volatile organic compounds are greater than the major source thresholds (100 tons/year for carbon monoxide, and 25 tons per year for both nitrogen oxides and volatile organic compounds).

Program Applicability

The following chart summarizes the applicability of NEW YORK PRESBYTERIAN HOSPITAL with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES



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SIP	YES
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NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP



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and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

8062
9999

GENERAL MEDICAL & SURGICAL HOSPITALS
NONCLASSIFIABLE ESTABLISHMENTS

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

1-02-004-01

1-02-006-01

EXTERNAL COMBUSTION BOILERS - INDUSTRIAL
INDUSTRIAL BOILER - RESIDUAL OIL
Grade 6 Oil
EXTERNAL COMBUSTION BOILERS - INDUSTRIAL
INDUSTRIAL BOILER - NATURAL GAS
Over 100 MBtu/Hr

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.



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Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
000630-08-0	CARBON MONOXIDE	643981		178241	
0NY210-00-0	OXIDES OF NITROGEN	1860769		346746	
0NY075-00-0	PARTICULATES	247765		39248	
007446-09-5	SULFUR DIOXIDE	1619653		281317	
0NY998-00-0	VOC	58912		13978	

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)



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

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

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

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

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

Item I: Permit Shield - 6 NYCRR Part 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 J: Reopening for Cause - 6 NYCRR Part 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 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



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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 K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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.



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- (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_02

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	166	Powers and Duties of the Department with respect to air pollution control
U-00001/00001/001/00008	40CFR 60-A	58	General provisions
U-	40CFR 60-A	91	General provisions



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00001/00001/001/S0009				
U-	40CFR 60-A.11	70		General provisions -
00001/00001/001/00008				compliance with
				standards and
				maintenance
				requirements
U-	40CFR 60-A.11	103		General provisions -
00001/00001/001/S0009				compliance with
				standards and
				maintenance
				requirements
U-	40CFR 60-A.12	71		General provisions -
00001/00001/001/00008				Circumvention
U-	40CFR 60-A.12	104		General provisions -
00001/00001/001/S0009				Circumvention
U-	40CFR 60-A.13	72		General provisions -
00001/00001/001/00008				Monitoring
				requirements
U-	40CFR 60-A.13	105		General provisions -
00001/00001/001/S0009				Monitoring
				requirements
FACILITY	40CFR 60-A.13(c)	40		General provisions -
				Monitoring
				requirements
U-	40CFR 60-A.14	73		General provisions -
00001/00001/001/00008				Modification
U-	40CFR 60-A.14	106		General provisions -
00001/00001/001/S0009				Modification
FACILITY	40CFR 60-A.15	41		General provisions -
				Reconstruction
U-	40CFR 60-A.4	59		General provisions -
00001/00001/001/00008				Address
U-	40CFR 60-A.4	92		General provisions -
00001/00001/001/S0009				Address
U-	40CFR 60-A.7(a)	60		Notification and
00001/00001/001/00008				Recordkeeping
U-	40CFR 60-A.7(a)	93		Notification and
00001/00001/001/S0009				Recordkeeping
U-	40CFR 60-A.7(b)	61		Notification and
00001/00001/001/00008				Recordkeeping
U-	40CFR 60-A.7(b)	94		Notification and
00001/00001/001/S0009				Recordkeeping
U-00001/00001/001	40CFR 60-A.7(c)	57		Notification and
				Recordkeeping
U-	40CFR 60-A.7(d)	62		Notification and
00001/00001/001/00008				Recordkeeping
U-	40CFR 60-A.7(d)	95		Notification and
00001/00001/001/S0009				Recordkeeping
U-	40CFR 60-A.7(f)	63		Notification and
00001/00001/001/00008				Recordkeeping
U-	40CFR 60-A.7(f)	96		Notification and
00001/00001/001/S0009				Recordkeeping
U-	40CFR 60-A.8(a)	64		Performance Tests
00001/00001/001/00008				
U-	40CFR 60-A.8(a)	97		Performance Tests
00001/00001/001/S0009				
U-	40CFR 60-A.8(b)	65		Performance Tests
00001/00001/001/00008				
U-	40CFR 60-A.8(b)	98		Performance Tests
00001/00001/001/S0009				
U-	40CFR 60-A.8(c)	66		Performance Tests
00001/00001/001/00008				
U-	40CFR 60-A.8(c)	99		Performance Tests
00001/00001/001/S0009				



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U- 00001/00001/001/00008	40CFR 60-A.8(d)	67	Performance Tests
U- 00001/00001/001/S0009	40CFR 60-A.8(d)	100	Performance Tests
U-00001/00001	40CFR 60-A.8(e)	56	Performance Tests
U- 00001/00001/001/00008	40CFR 60-A.8(f)	68	Performance Tests
U- 00001/00001/001/S0009	40CFR 60-A.8(f)	101	Performance Tests
U- 00001/00001/001/00008	40CFR 60-A.9	69	General provisions - Availability of information
U- 00001/00001/001/S0009	40CFR 60-A.9	102	General provisions - Availability of information
U- 00001/00001/003/00008	40CFR 60-Db.42b(a)	127	Standard for Sulfur Dioxide Firing Coal and/or Oil.
U- 00001/00001/003/S0009	40CFR 60-Db.42b(a)	147	Standard for Sulfur Dioxide Firing Coal and/or Oil.
U- 00001/00001/003/00008	40CFR 60-Db.42b(c)	128	Standard for Sulfur Dioxide Firing Coal or Oil for Emerging Sulfur Dioxide Controls.
U- 00001/00001/003/S0009	40CFR 60-Db.42b(c)	148	Standard for Sulfur Dioxide Firing Coal or Oil for Emerging Sulfur Dioxide Controls.
U- 00001/00001/003/00008	40CFR 60-Db.42b(j)	129	Exemption from Standards for Sulfur Dioxide.
U- 00001/00001/003/S0009	40CFR 60-Db.42b(j)	149	Exemption from Standards for Sulfur Dioxide.
U- 00001/00001/003/00008	40CFR 60-Db.42b(j)(2)	130	Exemption from Standards for Sulfur Dioxide.
U- 00001/00001/003/S0009	40CFR 60-Db.42b(j)(2)	150	Exemption from Standards for Sulfur Dioxide.
U- 00001/00001/003/00008	40CFR 60-Db.43b(b)	131	Standard for Particulate Matter Firing Oil.
U- 00001/00001/003/S0009	40CFR 60-Db.43b(b)	151	Standard for Particulate Matter Firing Oil.
U- 00001/00001/003/00008	40CFR 60-Db.43b(f)	132	Standard for Particulate Matter Opacity.
U- 00001/00001/003/S0009	40CFR 60-Db.43b(f)	152	Standard for Particulate Matter Opacity.
U- 00001/00001/003/00008	40CFR 60-Db.43b(g)	133	Standard for Particulate Matter Exemption.
U- 00001/00001/003/S0009	40CFR 60-Db.43b(g)	153	Standard for Particulate Matter Exemption.
U- 00001/00001/001/00008	40CFR 60-Db.44b(a)(1)	74	Standard for Nitrogen Oxides Firing Natural Gas and Distillate



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U- 00001/00001/001/S0009	40CFR 60-Db.44b(a)(1)	107	Oil. (see narrative) Standard for Nitrogen Oxides Firing Natural Gas and Distillate
U- 00001/00001/003/00008	40CFR 60-Db.44b(b)	134	Oil. (see narrative) Standard for Nitrogen Oxides Firing Mixtures of Coal, Oil, and Natural Gas.
U- 00001/00001/003/S0009	40CFR 60-Db.44b(b)	154	Standard for Nitrogen Oxides Firing Mixtures of Coal, Oil, and Natural Gas.
U- 00001/00001/001/00008	40CFR 60-Db.44b(h)	75	Standards for Nitrogen Oxides Provisions.
U- 00001/00001/001/S0009	40CFR 60-Db.44b(h)	108	Standards for Nitrogen Oxides Provisions.
U- 00001/00001/001/00008	40CFR 60-Db.44b(i)	76	Averaging Period.
U- 00001/00001/001/S0009	40CFR 60-Db.44b(i)	109	Averaging Period.
U- 00001/00001/001/00008	40CFR 60-Db.44b(j)	77	Averaging Periods Based on Performance Testing. (see narrative)
U- 00001/00001/001/S0009	40CFR 60-Db.44b(j)	110	Averaging Periods Based on Performance Testing. (see narrative)
U- 00001/00001/003/00008	40CFR 60-Db.44b(j)	135	Averaging Periods Based on Performance Testing. (see narrative)
U- 00001/00001/003/S0009	40CFR 60-Db.44b(j)	155	Averaging Periods Based on Performance Testing. (see narrative)
U- 00001/00001/001/00008	40CFR 60-Db.44b(k)	78	Exemption from the Standards for Nitrogen Oxides. (see narrative)
U- 00001/00001/001/S0009	40CFR 60-Db.44b(k)	111	Exemption from the Standards for Nitrogen Oxides. (see narrative)
U- 00001/00001/003/00008	40CFR 60-Db.44b(k)	136	Exemption from the Standards for Nitrogen Oxides. (see narrative)
U- 00001/00001/003/S0009	40CFR 60-Db.44b(k)	156	Exemption from the Standards for Nitrogen Oxides. (see narrative)
U- 00001/00001/003/00008	40CFR 60-Db.45b(j)	137	Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.
U- 00001/00001/003/S0009	40CFR 60-Db.45b(j)	157	Compliance and Performance Test Methods and Procedures for Sulfur



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U- 00001/00001/001/00008	40CFR 60-Db.46b	79	Dioxide. Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/001/S0009	40CFR 60-Db.46b	112	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/001/00008	40CFR 60-Db.46b(e)	80	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/001/S0009	40CFR 60-Db.46b(e)	113	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/003/00008	40CFR 60-Db.46b(e)	138	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/003/S0009	40CFR 60-Db.46b(e)	158	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
U- 00001/00001/003/00008	40CFR 60-Db.47b(f)	139	Exemption from Emission Monitoring for Sulfur Dioxide.
U- 00001/00001/003/S0009	40CFR 60-Db.47b(f)	159	Exemption from Emission Monitoring for Sulfur Dioxide.
U- 00001/00001/001/00008	40CFR 60-Db.48b(a)	81	Emissions Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/001/S0009	40CFR 60-Db.48b(a)	114	Emissions Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/003/00008	40CFR 60-Db.48b(a)	140	Emissions Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/003/S0009	40CFR 60-Db.48b(a)	160	Emissions Monitoring for Particulate Matter and Nitrogen



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U- 00001/00001/001/00008	40CFR 60-Db.48b(b)	82	Oxides. Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/001/S0009	40CFR 60-Db.48b(b)	115	Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/003/00008	40CFR 60-Db.48b(b)	141	Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/003/S0009	40CFR 60-Db.48b(b)	161	Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/001/00008	40CFR 60-Db.48b(f)	83	Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/001/S0009	40CFR 60-Db.48b(f)	116	Emission Monitoring for Particulate Matter and Nitrogen Oxides.
U- 00001/00001/001/00008	40CFR 60-Db.49b(a)	84	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/S0009	40CFR 60-Db.49b(a)	117	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/00008	40CFR 60-Db.49b(b)	85, 86	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/S0009	40CFR 60-Db.49b(b)	118, 119	Reporting and Recordkeeping Requirements.
U- 00001/00001/003/00008	40CFR 60-Db.49b(b)	142	Reporting and Recordkeeping Requirements.
U- 00001/00001/003/S0009	40CFR 60-Db.49b(b)	162	Reporting and Recordkeeping Requirements.
U- 00001/00001/003/00008	40CFR 60-Db.49b(f)	143	Reporting and Recordkeeping Requirements.
U- 00001/00001/003/S0009	40CFR 60-Db.49b(f)	163	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/00008	40CFR 60-Db.49b(g)	87	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/S0009	40CFR 60-Db.49b(g)	120	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/00008	40CFR 60-Db.49b(h)	88	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/S0009	40CFR 60-Db.49b(h)	121	Reporting and Recordkeeping Requirements.
U- 00001/00001/001/00008	40CFR 60-Db.49b(i)	89	Reporting and Recordkeeping Requirements.



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U-00001/00001/001/S0009	40CFR 60-Db.49b(i)	122	Reporting and Recordkeeping Requirements.
U-00001/00001/003/00008	40CFR 60-Db.49b(j)	144	Reporting and Recordkeeping Requirements.
U-00001/00001/003/S0009	40CFR 60-Db.49b(j)	164	Reporting and Recordkeeping Requirements.
U-00001/00001/001/00008	40CFR 60-Db.49b(o)	90	Reporting and Recordkeeping Requirements.
U-00001/00001/001/S0009	40CFR 60-Db.49b(o)	123	Reporting and Recordkeeping Requirements.
U-00001/00001/003/00008	40CFR 60-Db.49b(r)	145	Reporting and Recordkeeping Requirements.
U-00001/00001/003/S0009	40CFR 60-Db.49b(r)	165	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-IIII	42	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
FACILITY	40CFR 63-ZZZZ	43	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 63-ZZZZ.6585	44	Reciprocating Internal Combustion Engine (RICE) NESHAP - Applicability
FACILITY	40CFR 63-ZZZZ.6603(a)	45	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
FACILITY	40CFR 63-ZZZZ.6625(e)	46	Reciprocating Internal Combustion Engine (RICE) NESHAP - maintenance of engine and control device
FACILITY	40CFR 63-ZZZZ.6640(f)	47, 48, 49	Reciprocating Internal Combustion Engine (RICE) NESHAP - emergency engines
FACILITY	40CFR 63-ZZZZ.6665	50	Reciprocating Internal Combustion Engine (RICE) NESHAP - General provisions
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 80-I.510(b)	51	Motor vehicle diesel fuel: non road, locomotive and marine diesel fuel
FACILITY	40CFR 82-F	21	Protection of Stratospheric Ozone - recycling and



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FACILITY	6NYCRR 200.6	1	emissions reduction
FACILITY	6NYCRR 200.7	10	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	167	Maintenance of equipment.
FACILITY	6NYCRR 201-1.7	11	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.8	12	Recycling and Salvage
FACILITY	6NYCRR 201-3.2(a)	13	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.3(a)	14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-6	22, 52, 53	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6.4(a)(4)	15	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(8)	16	General Conditions - Fees
FACILITY	6NYCRR 201-6.4(c)	3	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)(2)	4	Recordkeeping and Reporting of Compliance Monitoring Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201- 6.4(c)(3)(ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	23	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)(6)	17	Off Permit Changes
FACILITY	6NYCRR 201-7.1	24, 54, 55	Emission Capping in Facility Permits
FACILITY	6NYCRR 202-1.1	18, 19	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	27	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	168	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2(h)	28	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.6	29	Reports, Sampling, and Analysis



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U- 00001/00001/003/00004	6NYCRR 227.2(b)(1)	124	Particulate emissions.
U- 00001/00001/003/00005	6NYCRR 227.2(b)(1)	125	Particulate emissions.
U- 00001/00001/003/00008	6NYCRR 227.2(b)(1)	126	Particulate emissions.
U- 00001/00001/003/S0009	6NYCRR 227.2(b)(1)	146	Particulate emissions.
FACILITY	6NYCRR 227-1.3(a)	30	Smoke Emission Limitations.
FACILITY	6NYCRR 227-2.4(b)(1)(ii)	31, 32, 33, 34	2010 NOx RACT presumptive limits.
FACILITY	6NYCRR 227-2.6(b)	35	CEMS requirements
FACILITY	6NYCRR 227-2.6(c)	36, 37, 38, 39	Stack Test Requirements.

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates



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within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the



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probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

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

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery



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practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, NEW YORK PRESBYTERIAN HOSPITAL has been determined to be subject to the following regulations:

40 CFR 60.11

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.13

This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40 CFR 60.13 (c)

This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40 CFR 60.14

This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40 CFR 60.15

This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40 CFR 60.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40 CFR 60.42b (a)

This regulation calls for a 90% reduction in the emissions of sulfur dioxide from facilities that burn coal or oil.

40 CFR 60.42b (c)

This regulation is an NSPS optional for Sulfur Dioxide standard. This regulation sets the standard for Sulfur Dioxide firing coal or oil for emerging Sulfur Dioxide controls. Affected facilities shall achieve a



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50 % reduction in sulfur dioxide emissions, and meet the following standard;

$$Es = (KcHc + KdHd)(Hc - Hd_):$$

Where:

Es = Sulfur Dioxide Standard,

Kc = 0.6lb/mmBtu

Kd = 0.4lb/mmBtu,

Hc = Heat input from coal,

Hd = heat input from oil.

40 CFR 60.42b (j)

This subdivision contains an exemption from the percent reduction requirements if the affected facility fires very low sulfur content oil.

40 CFR 60.42b (j) (2)

This regulation is for exemption from standards for sulfur dioxide. This regulation specifies that the owner/operator maintains a file of fuel receipts in accordance with 40 CFR 49b(r).

40 CFR 60.43b (b)

This regulation is for the Particulate matter standard. The regulation specifies maximum allowable Particulate matter emissions oil or oil and other fuels of 0.10 lb/mmBtu for affected sources.

40 CFR 60.43b (f)

This regulation specifies maximum allowable opacity for affected affected sources. The opacity of the emission may not exceed 20%, except for one six minute period when the maximum opacity may not exceed 27%.

40 CFR 60.43b (g)

This regulation specifies that the particulate matter and opacity standards apply at all times, except during periods of startup, shutdown or malfunction.

40 CFR 60.44b (a) (1)

These standards apply to all boilers firing natural gas and/or distillate oil except as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Combined Cycle System.

40 CFR 60.44b (b)



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This regulation is an NSPS optional for Oxides of Nitrogen standard. This regulation sets the standard for Oxides of Nitrogen firing mixtures of coal, oil, and natural gas. Affected facilities shall meet the following Oxides of Nitrogen standard;

$$En = [(ELgo * Hgo) + (ELro * Hro) + (ELc * Hc)] / (Hgo + Hro + Hc)$$

The units for all of the following factors are in lb/mmBtu and provided under 40 CFR 60.44b(a).

Where:

- En = Oxides of Nitrogen emissions standard.
- ELgo = Emission Limit for natural gas and/or distillate oil firing.
- ELro = Emission limit for residual oil.
- ELc = Emission limit for coal firing.
- Hgo = heat input from natural gas and/or distillate oil.
- Hro = Heat input from residual oil.
- Hc = Heat input from coal.

40 CFR 60.44b (h)

This regulation specifies that the NSPS nitrogen oxide standards apply at all time including periods of startup, shutdown, or malfunction.

40 CFR 60.44b (i)

This subdivision requires that the facility use a 30 day rolling average to determine compliance with any applicable standards in this Subpart.

40 CFR 60.44b (j)

- 1) Combust, alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content less than 0.30% by weight,
- 2) Have a combined annual capacity factor of 10% or less of natural gas, distillate oil, and residual oil with a nitrogen content of 0.30% by weight, and
- 3) Are subject to federally enforceable conditions limiting the above mentioned conditions.

40 CFR 60.44b (k)

- 1) Combust, alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content less than 0.30% by weight,
- 2) Have a combined annual capacity factor of 10% or less of natural gas, distillate oil, and residual oil with a nitrogen content of 0.30% by weight, and
- 3) Are subject to federally enforceable conditions limiting the above mentioned conditions.



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40 CFR 60.45b (j)

This regulation specifies that owner or operators that combust very low sulfur oil are not subject to compliance and performance testing requirements for Sulfur Dioxide if they obtain fuel receipts as described in 40 CFR 60.49b(r)

40 CFR 60.46b

This section sets the compliance and performance test methods and procedures for emissions of particulate matter and oxides of nitrogen.

40 CFR 60.46b (e)

This regulation specifies compliance and performance test methods and procedures for particulate matter and nitrogen oxides.

40 CFR 60.47b (f)

Facilities combusting very low sulfur oil are not subject to emission monitoring requirements of the section if they obtain fuel receipts as described in 40 CFR 60-Db.49b(r).

40 CFR 60.48b (a)

This subdivision requires the installation of a continuous opacity monitor.

40 CFR 60.48b (b)

This regulation requires the owner or operator of the facility to install and operate a continuous emissions monitor to monitor emissions of oxides of nitrogen from the facility.

40 CFR 60.48b (f)

This regulation requires that standby methods of obtaining minimum emissions data for oxides of nitrogen be specified by the source owner or operator.

40 CFR 60.49b (a)

This subdivision requires reporting and recordkeeping for affected steam generating units - initial notification.

40 CFR 60.49b (b)

This subdivision requires reporting and recordkeeping for affected steam generating units - initial performance and CEM testing.



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40 CFR 60.49b (f)

This subdivision specifies that monitored opacity records must be kept at the facility.

40 CFR 60.49b (g)

This subdivision requires reporting and recordkeeping for affected steam generating units - specific oxides of nitrogen requirements.

40 CFR 60.49b (h)

This subdivision specifies that the facility must submit excess emission reports.

40 CFR 60.49b (i)

This subdivision specifies that the facility submit reports on oxides of nitrogen emissions in accordance with the required recordkeeping provisions of 40 CFR 60.49b(g).

40 CFR 60.49b (j)

This subdivision specifies that the facility submit reports on sulfur dioxide emission records.

40 CFR 60.49b (o)

This regulation is for reporting and recordkeeping requirements. This regulation specifies that the owner or operator of the affected facility shall maintain all records required under this section for a period of 2 years following the date of such report.

40 CFR 60.49b (r)

This regulation specifies that owner or operators that combust very low sulfur oil are required to obtain fuel receipts. The oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Reports shall be submitted to the Administrator certifying that only very low sulfur oil meeting this definition was combusted

40 CFR 60.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40 CFR 60.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.



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40 CFR 60.7 (c)

This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40 CFR 60.7 (d)

This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40 CFR 60.7 (f)

This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.8 (a)

This regulation contains the requirements for the completion date and reporting of Performance Testing (stack testing), at the facility. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the owner or operator of the facility must conduct performance test(s) and furnish a written report of the test results.

40 CFR 60.8 (b)

This regulation contains the requirements for Performance test methods and procedures, to be used by the owner or operator, of the affected facility.

40 CFR 60.8 (c)

This condition contains the requirements for operating conditions, of the emission source, during performance testing.

40 CFR 60.8 (d)

This regulation contains the requirements for advance notification of Performance (stack) testing.

40 CFR 60.8 (e)

This regulation requires the facility to provide appropriate sampling ports, safe platforms and utilities as necessary for Performance (stack) testing.

40 CFR 60.8 (f)

This regulation requires that Performance (stack) tests consist of three runs unless otherwise specified. The rule also designates the allowable averaging methods for the analysis of the results.



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40 CFR 60.9

This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40 CFR 63.6585

This condition details what criteria are used to determine if a reciprocating internal combustion engine is subject to the provisions of this NESHAP rule. If the engine meets the rule's definition of reciprocating internal combustion engine, and is located at a facility that emits at least 10 tons of a single hazardous air pollutant or 25 tons of all hazardous air pollutants, then the engine will need to meet the provisions in this rule.

40 CFR 63.6603 (a)

These conditions list the emission limits, operating limits, and work practices that existing engines located at an area source of HAP emissions must meet.

The engines must meet work practices, emission limits, and operating limits on carbon monoxide or formaldehyde for the specific type of engine listed in table 2d of subpart ZZZZ.

40 CFR 63.6625 (e)

This regulation requires the owners or operator of an existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions, an existing stationary emergency RICE, or an existing stationary RICE located at an area source of HAP emissions must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

40 CFR 63.6640 (f)

This condition states the operation requirements for emergency engines.

40 CFR 63.6665

This regulation specifies which provisions of the General provisions (Subpart A of 40 CFR 63) apply to the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 80.510 (b)

This regulation is for motor vehicle diesel fuel: non-road, locomotive and marine diesel fuel.

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



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15 ppm maximum for NR diesel fuel.

40 CFR Part 60, Subpart A

This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

40 CFR Part 60, Subpart IIII

This regulation is for the Applicability of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

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

40 CFR Part 63, Subpart ZZZZ

This regulation defines performance standards for stationary reciprocating internal combustion engines

6 NYCRR 201-7.1

This section of Part 201-7 specifies the criteria that need to be met in order to restrict emissions to avoid Title V or other applicable requirements using federally enforceable permit conditions permit.

6 NYCRR 211.1

This regulation requires that 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.

6 NYCRR 225-1.2 (h)

Sulfur-in-fuel limitation for the firing of distillate oil on or after July 1, 2016.

6 NYCRR 225-1.6

This section establishes the requirements for reporting, sampling, and analyzing fuel by subject facilities.



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6 NYCRR 227.2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-2.4 (b) (1) (ii)

Future NOx RACT presumptive limits effective 7/1/14.

6 NYCRR 227-2.6 (b)

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

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

6 NYCRR 227-2.6 (c)

This regulation is a SIP regulation. This citation is for stack test requirements. The owner or operator of the facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

- (1) Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
 - (i) For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
 - (ii) For simple cycle combustion turbines, utilize Method 20 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
 - (iii) For combined cycle combustion turbines, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.



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(iv) For internal combustion engines, utilize Method 7, 7E or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

Compliance Certification

Summary of monitoring activities at NEW YORK PRESBYTERIAN HOSPITAL:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	40	record keeping/maintenance procedures
U-00001/00001/001	57	record keeping/maintenance procedures
U-00001/00001/003/00008	131	intermittent emission testing
U-00001/00001/003/S0009	151	intermittent emission testing
U-00001/00001/003/00008	132	monitoring of process or control device parameters as surrogate
U-00001/00001/003/S0009	152	monitoring of process or control device parameters as surrogate
U-00001/00001/001/00008	74	continuous emission monitoring (cem)
U-00001/00001/001/S0009	107	continuous emission monitoring (cem)
U-00001/00001/001/00008	77	record keeping/maintenance procedures
U-00001/00001/001/S0009	110	record keeping/maintenance procedures
U-00001/00001/003/00008	135	record keeping/maintenance procedures
U-00001/00001/003/S0009	155	record keeping/maintenance procedures
U-00001/00001/001/00008	78	record keeping/maintenance procedures
U-00001/00001/001/S0009	111	record keeping/maintenance procedures
U-00001/00001/003/00008	136	record keeping/maintenance procedures
U-00001/00001/003/S0009	156	record keeping/maintenance procedures
U-00001/00001/003/00008	137	record keeping/maintenance procedures
U-00001/00001/003/S0009	157	record keeping/maintenance procedures
U-00001/00001/001/00008	80	continuous emission monitoring (cem)
U-00001/00001/001/S0009	113	continuous emission monitoring (cem)
U-00001/00001/003/00008	138	continuous emission monitoring (cem)
U-00001/00001/003/S0009	158	continuous emission monitoring (cem)
U-00001/00001/001/00008	81	monitoring of process or control device parameters as surrogate
U-00001/00001/001/S0009	114	monitoring of process or control device parameters as surrogate
U-00001/00001/003/00008	140	monitoring of process or control device parameters as surrogate
U-00001/00001/003/S0009	160	monitoring of process or control device parameters as surrogate
U-00001/00001/001/00008	82	continuous emission monitoring (cem)
U-00001/00001/001/S0009	115	continuous emission monitoring (cem)
U-00001/00001/003/00008	141	continuous emission monitoring (cem)
U-00001/00001/003/S0009	161	continuous emission monitoring (cem)
U-00001/00001/001/00008	84	record keeping/maintenance procedures
U-00001/00001/001/S0009	117	record keeping/maintenance procedures
U-00001/00001/001/00008	85	record keeping/maintenance procedures
U-00001/00001/001/00008	86	record keeping/maintenance procedures
U-00001/00001/001/S0009	118	record keeping/maintenance procedures
U-00001/00001/001/S0009	119	record keeping/maintenance procedures
U-00001/00001/003/00008	142	record keeping/maintenance procedures
U-00001/00001/003/S0009	162	record keeping/maintenance procedures
U-00001/00001/003/00008	143	record keeping/maintenance procedures



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U-00001/00001/003/S0009	163	record keeping/maintenance procedures
U-00001/00001/001/00008	87	record keeping/maintenance procedures
U-00001/00001/001/S0009	120	record keeping/maintenance procedures
U-00001/00001/001/00008	88	record keeping/maintenance procedures
U-00001/00001/001/S0009	121	record keeping/maintenance procedures
U-00001/00001/001/00008	89	record keeping/maintenance procedures
U-00001/00001/001/S0009	122	record keeping/maintenance procedures
U-00001/00001/003/00008	144	record keeping/maintenance procedures
U-00001/00001/003/S0009	164	record keeping/maintenance procedures
U-00001/00001/003/00008	145	record keeping/maintenance procedures
U-00001/00001/003/S0009	165	record keeping/maintenance procedures
FACILITY	44	record keeping/maintenance procedures
FACILITY	45	record keeping/maintenance procedures
FACILITY	46	record keeping/maintenance procedures
FACILITY	47	record keeping/maintenance procedures
FACILITY	48	record keeping/maintenance procedures
FACILITY	49	record keeping/maintenance procedures
FACILITY	50	record keeping/maintenance procedures
FACILITY	51	monitoring of process or control device parameters as surrogate
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	25	work practice involving specific operations
FACILITY	26	work practice involving specific operations
FACILITY	7	record keeping/maintenance procedures
FACILITY	28	work practice involving specific operations
FACILITY	29	work practice involving specific operations
U-00001/00001/003/00004	124	intermittent emission testing
U-00001/00001/003/00005	125	intermittent emission testing
U-00001/00001/003/00008	126	intermittent emission testing
U-00001/00001/003/S0009	146	intermittent emission testing
FACILITY	30	monitoring of process or control device parameters as surrogate
FACILITY	31	intermittent emission testing
FACILITY	32	intermittent emission testing
FACILITY	33	intermittent emission testing
FACILITY	34	intermittent emission testing
FACILITY	35	record keeping/maintenance procedures
FACILITY	36	intermittent emission testing
FACILITY	37	intermittent emission testing
FACILITY	38	intermittent emission testing
FACILITY	39	intermittent emission testing

Basis for Monitoring

New York Presbyterian Hospital (NYPH) located at 622 West 168th Street, New York, NY (Uptown Campus) is subject to the requirements of Title V. The facility is required, under the provisions of 6 NYCRR Subpart 201-6, to submit semiannual compliance reports and an annual Compliance Certification. This facility is required to comply with the following monitoring conditions:

Condition # 25 for 6 NYCRR 201-7, Capping Out of 6 NYCRR 231-2 for Oxides of Nitrogen:

This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Oxides of Nitrogen. This condition limits the NOx emissions to 173.37 tpy for all emission sources at the facility in order not to trigger NSR (New Source Review). The facility will use the emission factors from the December, 2007 stack test results or the latest stack testing.



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This condition sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is 173.37 tpy of NOx for all emission sources at the facility.

Condition # 26 for 6 NYCRR 201-7, Capping Out of 40 CFR 52.21(j) for Sulfur Dioxide:

This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Sulfur Dioxide. This condition limits the SO2 emissions to 140.66 tpy for all emission sources at the facility in order not to trigger PSD (Prevention of Significant Deterioration). The facility will use the emission factors from the December, 2007 stack test results or the latest stack testing.

This condition sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is 140.66 tpy of SO2 for all emission sources at the facility.

Condition #28 for 6 NYCRR 225-1.2(h) for Sulfur Content: This condition is for Work Practice Involving Specific Operations for Sulfur content. This condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.0015 % by weight for distillate fuel (# 2 heating fuel oil) on or after July 1, 2016. The facility must maintain a log of the sulfur content of oils on a per delivery basis for a minimum of five years. Compliance with this limit will be based on vendor certifications.

Condition #29 for 6 NYCRR 225-1.6 for Sulfur Dioxide: This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Sulfur content. This condition establishes the requirements for reporting, sampling, and analyzing fuel by subject facilities.

This condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.0015 % by weight for distillate fuel (# 2 fuel oil) on or after July 1, 2016. Compliance with this limit will be based on vendor certifications. The facility must maintain a log of the sulfur content of oils on a per delivery basis for a minimum of five years. The facility shall not use distillate fuel oil with greater than 15 ppm by weight sulfur. Fuel supplier shall provide certification that sulfur is less than 15 ppm for all fuel deliveries.

The owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Condition # 30 for 6 NYCRR 227-1.3(a) for Opacity: This is a facility-wide condition. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Opacity with a limit of 20%.

This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20 % opacity except for one six-minute period per hour of



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not more than 27 % opacity. This condition requires a daily inspection for visible emissions. If visible emissions are noted for two consecutive days, a Method 9 test must be performed.

Condition # 31 for 6 NYCRR 227-2.4(b)(1)(ii) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001 & 003 and Emission Source 00008. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Oxides of Nitrogen.

This condition requires the owner/operator to comply with the 0.15 pounds per million Btus NOx RACT emission limit prior to July 1, 2014 for large boilers operating on natural gas/#2 fuel oil. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

Condition #32 for 6 NYCRR 227-2.4(b)(1)(ii) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001 & 003 and Emission Source 00004. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Oxides of Nitrogen.

This condition requires the owner/operator to comply with the 0.15 pounds per million Btus NOx RACT emission limit prior to July 1, 2014 for large boilers operating on natural gas/#2 fuel oil. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

Condition #33 for 6 NYCRR 227-2.4(b)(1)(ii) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001 & 003 and Emission Source 00005. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Oxides of Nitrogen.

This condition requires the owner/operator to comply with the 0.15 pounds per million Btus NOx RACT emission limit prior to July 1, 2014 for large boilers operating on natural gas/#2 fuel oil. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

Condition #34 for 6 NYCRR 227-2.4(b)(1)(ii) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001 & 003 and Emission Source 00009. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Oxides of Nitrogen.

This condition requires the owner/operator to comply with the 0.15 pounds per million Btus NOx RACT emission limit prior to July 1, 2014 for large boilers operating on natural gas/#2 fuel oil. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.



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Condition #36 for 6 NYCRR 227-2.6 (c) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001& 003 and Emission Source 00005. This condition is for Intermittent Emission Testing (stack testing) for Oxides of Nitrogen to demonstrate compliance with the 0.15 pounds per million Btus NOx RACT emission limit for large boilers operating on natural gas and #2 fuel oil.

This condition is a SIP condition and is for stack test requirements. The facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the Department, and
 2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in part 202 of this Title.
- I. For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

Condition #37 for 6 NYCRR 227-2.6 (c) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001& 003 and Emission Source 00009. This condition is for Intermittent Emission Testing (stack testing) for Oxides of Nitrogen to demonstrate compliance with the 0.15 pounds per million Btus NOx RACT emission limit for large boilers operating on natural gas and #2 fuel oil.

This condition is a SIP condition and is for stack test requirements. The facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the Department, and
 2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in part 202 of this Title.
- I. For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.



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Condition #38 for 6 NYCRR 227-2.6 (c) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001& 003 and Emission Source 00004. This condition is for Intermittent Emission Testing (stack testing) for Oxides of Nitrogen to demonstrate compliance with the 0.15 pounds per million Btus NOx RACT emission limit for large boilers operating on natural gas and #2 fuel oil.

This condition is a SIP condition and is for stack test requirements. The facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the Department, and
 2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in part 202 of this Title.
- I. For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

Condition #39 for 6 NYCRR 227-2.6 (c) for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Processes 001& 003 and Emission Source 00008. This condition is for Intermittent Emission Testing (stack testing) for Oxides of Nitrogen to demonstrate compliance with the 0.15 pounds per million Btus NOx RACT emission limit for large boilers operating on natural gas and #2 fuel oil.

This condition is a SIP condition and is for stack test requirements. The facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the Department, and
 2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in part 202 of this Title.
- I. For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

Condition #51 for 40 CFR 80.510(b), Subpart I for Sulfur: This condition is for motor vehicle diesel fuel: non-road, locomotive and marine diesel fuel.



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

15 ppm maximum for NR diesel fuel.

Condition #74 for 49 CFR 60.44b(a)(1), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen to demonstrate compliance with the 0.30 pounds per million Btus limit.

This standard applies to all boilers firing natural gas and/or distillate oil except as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Combined Cycle System.

Condition #80 for 49 CFR 60.46b(e), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00008. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition specifies compliance and performance test methods and procedures for nitrogen oxides emission limits of 0.30 pounds per million Btus.

Condition #81 for 49 CFR 60.48b(a), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00008. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates.

This subdivision requires the installation of a continuous opacity monitor to demonstrate compliance with the 20% opacity limit.

Condition #82 for 49 CFR 60.48b(b), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00008. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition requires the owner or operator of the facility to install and operate a continuous emissions monitor (CEMS) to monitor emissions of oxides of nitrogen from the facility to demonstrate compliance with the emission limits of 0.30 pounds per million Btus.

Condition #107 for 49 CFR 60.44b(a)(1), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source



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condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00009. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen to demonstrate compliance with the 0.30 pounds per million Btus NOx RACT emission limit for large boilers operating on natural gas.

These standards apply to all boilers firing natural gas and/or distillate oil except as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Combined Cycle System.

Condition #113 for 49 CFR 60.46b(e), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00009. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition specifies compliance and performance test methods and procedures for nitrogen oxides emission limits of 0.30 pounds per million Btus.

Condition #114 for 49 CFR 60.48b(a), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00009. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates.

This subdivision requires the installation of a continuous opacity monitor to demonstrate compliance with the 20% opacity limit.

Condition #115 for 49 CFR 60.48b(b), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 001 and Emission Source 00009. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition requires the owner or operator of the facility to install and operate a continuous emissions monitor (CEMS) to monitor emissions of oxides of nitrogen from the facility to demonstrate compliance with the emission limits of 0.30 pounds per million Btus.

Condition #124 for 6 NYCRR 227.2 (b) (1) for Particulates: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00004. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit.

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.



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Condition #125 for 6 NYCRR 227.2 (b) (1) for Particulates: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00005. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit.

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition #126 for 6 NYCRR 227.2 (b) (1) for Particulates: This condition is an emission unit level, emission point level, process level and emission source level condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. Compliance will be demonstrated by performing an intermittent emission testing (a stack test) for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit.

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition #131 for 40 CFR 60.43b(b), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. This condition is for Intermittent Emission Testing for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit for boilers operating on fuel oil.

This condition is for the Particulate matter standard. The condition specifies maximum allowable Particulate matter emissions oil or oil and other fuels of 0.10 lb/mmBtu for affected sources.

Condition #132 for 40 CFR 60.43b(f), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates to demonstrate compliance with the 27% opacity limit for boilers operating on fuel oil.

This condition specifies maximum allowable opacity for affected sources. The opacity of the emission may not exceed 20%, except for one six minute period when the maximum opacity may not exceed 27%.

Condition #138 for 49 CFR 60.46b(e), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.



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This condition specifies compliance and performance test methods and procedures for nitrogen oxides emission limits of 0.30 pounds per million Btus.

Condition #140 for 49 CFR 60.48b(a), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates.

This subdivision requires the installation of a continuous opacity monitor to demonstrate compliance with the 20% opacity limit.

Condition #141 for 49 CFR 60.48b(b), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00008. Compliance will be demonstrated with a Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition requires the owner or operator of the facility to install and operate a continuous emissions monitor (CEMS) to monitor emissions of oxides of nitrogen from the facility to demonstrate compliance with the emission limits of 0.30 pounds per million Btus.

Condition # 146 for 6 NYCRR 227.2 (b) (1) for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00009. This condition is for Intermittent Emission Testing for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit for boilers operating on fuel oil.

This condition is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition # 151 for 40 CFR 60.43b (b), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source 00009. This condition is for Intermittent Emission Testing for Particulates to demonstrate compliance with the 0.10 pounds per million Btus emission limit for boilers operating on fuel oil.

This condition is for the Particulate matter standard. The condition specifies maximum allowable Particulate matter emissions oil or oil and other fuels of 0.10 lb/mmBtu for affected sources.

Condition #152 for 40 CFR 60.43b(f), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source



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00009. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates to demonstrate compliance with the 27% opacity limit for boilers operating on fuel oil.

This condition specifies maximum allowable opacity for affected sources. The opacity of the emission may not exceed 20%, except for one six minute period when the maximum opacity may not exceed 27%.

Condition #158 for 49 CFR 60.46b(e), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 002 and Emission Source 00009. Compliance will be demonstrated with a Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition specifies compliance and performance test methods and procedures for nitrogen oxides emission limits of 0.30 pounds per million Btus.

Condition #160 for 49 CFR 60.48b(a), NSPS Subpart Db for Particulates: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source S0009. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates.

This subdivision requires the installation of a continuous opacity monitor to demonstrate compliance with the 20% opacity limit.

Condition # 161 for 40 CFR 60.48b (b), NSPS Subpart Db for Oxides of Nitrogen: This condition is an emission unit level, emission point level, process level and emission source condition that applies to Emission Unit U-00001, Emission Point 00001, Process 003 and Emission Source S0009. Compliance will be demonstrated with a Continuous Emission Monitoring (CEM) for Oxides of Nitrogen.

This condition requires the owner or operator of the facility to install and operate a continuous emissions monitor (CEMS) to monitor emissions of oxides of nitrogen from the facility to demonstrate compliance with the emission limits of 0.30 pounds per million Btus.