



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 2-6002-00105/00002

Renewal Number: 2

08/03/2011

Facility Identification Data

Name: MONTEFIORE MEDICAL CTR-111 E 210TH ST

Address: 111 E 210TH ST

BRONX, NY 10467-2401

Owner/Firm

Name: MONTEFIORE MEDICAL CENTER

Address: 111 EAST 210TH ST

BRONX, NY 10467-2401, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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Air Permitting Contact:

Name: EDWARD PFLEGING

Address: MONTEFIORE MEDICAL CENTER

111 EAST 210TH ST

BRONX, NY 10467-2401

Phone:7189208832

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.

Montefiore Medical Center (MMC) is a Title V facility, operating two (2) boilers, three (3) Internal



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Combustion engines, one (10 turbine, one (1) duct burner, four (4) ethylene oxide sterilizers with two (2) abators, eight (8) emergency generators, several fuel oil storage tanks and fume hoods. This application is submitted to renew the Title V permit (Renewal #2) that is due to expire on 9/19/2011.

Montefiore Medical Center will submit a NOx RACT plan by 1/1/2012 for the two boilers so as to demonstrate compliance with the new 2014 NOx RACT rule. The two boilers are the 98 MM Btu/hr Babcock Wilcox FM 106 (Emission Source S0004) and the 68.4 MM Btu/hr Cleaver-Brooks DL-76-RH (Emission Source S0005).

Attainment Status

MONTEFIORE MEDICAL CTR-111 E 210TH ST is located in the town of BRONX in the county of BRONX.

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)	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:

Montefiore Medical Center (MMC) is a Title V facility, operating two boilers, three IC engines, one turbine, one duct burner, four ethylene oxide sterilizers, two abators, eight emergency generators, fuel oil storage tanks and fume hoods. This application is submitted to renew the Title V permit that expires on 9/19/2011.

Montefiore Medical Center (MMC) currently operates three internal combustion engines and two boilers in Emission Unit U-00001. The three internal combustion engines are defined as Emission Sources S0001, S0002 & S0003, are 13.5 MM Btu/hr COLTEC, 13.5 MM Btu/hr COLTEC and 20.2 MM Btu/hr COLTEC engines, respectively. They were installed in 1992 and began operating in 1994. The two boilers are defined as Emission Sources S0004 & S0005, are 98 MM Btu/hr Babcock & Wilcox and 68.4 MM Btu/hr Cleaver Brooks boilers, respectively. The facility also operates an ethylene oxide sterilization system that consists of two 24 cubic feet ethylene oxide sterilizers, two 4.8 cubic feet sterilizers and two abators in Emission Unit U-00002. In addition, the facility operates one 4.83 megawatt (6,357 hp) combustion turbine-generator (Emission Source ES006), one HRSG with 35 MM Btu/hr duct burner (Emission Source ES007) and one GOALLINE/SCNOX air pollution control unit (Emission Control ES008) in Emission Unit U-C0003. The facility operates exempt emergency generators to the cogeneration power plant.



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The MMC Cogeneration Power Plant has been designed to provide a safe, reliable, and efficient means of generating electricity. The plant is also designed to minimize environmental impacts by utilization of the best available technologies and clean burning fuels.

The 4.83 megawatt (MW) power plant (Emission Source ES006) addition will be capable of burning both natural gas (Process P03), which will be the primary fuel, and distillate fuel oil (Process P04), which will be the backup fuel for use during periods when the gas supply may be interrupted. The plant will be based on a low-NOx combustion turbine-generator.

Heat from the combustion turbine exhaust will be recovered in one (1) Heat Recovery Steam Generator (HRSG). This steam will be used for the heating and cooling requirements of the MMC. Additional steam will be made in the HRSG, as necessary, by firing a supplemental burner, which has a maximum rated heat input of 35 MM Btu/hr (Higher heating value, HHV) which is equipped for gas operation only (Process P06).

The plant will have a potential average yearly electric output of 41.4 million kwh (gross). This potential output assumes 24 hours/day, 365 days/year plant operation (with a 96% availability factor), with varying rates of supplemental firing in the HRSG as needed.

Montefiore Medical Center consists of three emission units, Emission Unit U-00001, Emission Unit U-00002, and Emission Unit U-00003. Their description is as follows:

Emission Unit U-00001 consists of three internal combustion engines (Emission sources S0001, S0002 & S0003) and two boilers (Emission sources S0004 & S0005) with a total potential heat input of 213.6 MM Btu/hr. All of these emission sources operate on dual fuel operation (natural gas and number 2 fuel oil), except Emission Source S0005 (the 68.4 MM Btu/hr Cleaver Brooks boiler), which operates on number 2 fuel oil only. Emission Point E0001, Processes B01, B02 & BNG, and Emission Source/Control S0001, S0002, S0003, S0004 & S0005 are associated with Emission Unit U-00001.

Emission Unit U-00002 consists of the ethylene oxide sterilizer system as:

Emission Source ST007 - Steris- AMSCO Eagle-3048 sterilizer - existing 24 cubic feet
Emission Source ST008 - Steris-AMSCO Eagle-3048 sterilizer - existing 24 cubic feet
Emission Control ST009 - AMSCO EtO abator (Donaldson abator) - existing
Emission Source ST010 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet
Emission Source ST011 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet
Emission Control ST012 - AMSCO 50 CFM EtO abator - new

Emission Control ST009 is the existing abator for existing ethylene oxide sterilizers (Emission Sources ST007 & ST008), and Emission Control ST012 is the new abator for new ethylene oxide sterilizers (Emission Sources ST010 & ST011). Emission Point E0002, Process ETO, and Emission Source/Control ST007, ST008, ST009, ST010, ST011, and ST012 are associated with Emission Unit U-00002.

Emission Unit U-C0003 consists of combustion turbine-generator (Emission Source ES006), capable of oil-only (Process P04) or gas-only (Process P03) operation, downstream of which is a HRSG containing a duct burner (Emission Source ES007), capable of gas-only (Process P06) operation. Emission Unit U-C0003 consists of Emission Point EP003, Processes P03, P04 & P06, and Emission Source/Control ES006, ES007 & ES008. The emission control for the combustion turbine-generator and the duct burner is the GOALLINE/SCONOX, which is identified as Emission Control ES008. Emission Point EP003, Processes P03, P04 & P06, and Emission Source/Control ES006, ES007 & ES008 are associated with



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Emission Unit U-C0003.

The facility is capping out of 6 NYCRR 231-2, New Source Review, by limiting the following:

1. The facility shall perform a semi-annual inspection and stack test (acceptable to the Commissioner) to prove the 90% control efficiency of the NO_x control equipment when operating on natural gas, and the 80 % control efficiency of the NO_x control when operating on distillate oil. The equipment has been installed, is being maintained, and operating at this facility. The protocol for this inspection and testing requirement is due 60 days prior to the initial performance testing. Once an acceptable protocol has been submitted, it shall be incorporated into this permit.
2. The natural gas usage for the gas turbine and duct burner combination shall not exceed 714 million cubic feet of gas per year, based upon an annual 12- month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the turbine/duct burner gas supply line. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five years.
3. The distillate oil usage for the gas turbine shall not exceed 520,000 gallons per year, based upon an annual 12- month rolling average. The facility shall monitor this limit by installing and maintaining a non-resettable fuel flow meter on the oil line to the gas turbine. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five years.

Permit Structure and Description of Operations

The Title V permit for MONTEFIORE MEDICAL CTR-111 E 210TH ST

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source 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.

MONTEFIORE MEDICAL CTR-111 E 210TH ST is defined by the following emission unit(s):

Emission unit U00001 - Emission Unit U-00001 consists of three internal combustion engines (Emission sources S0001, S0002 & S0003) and two boilers (Emission sources S0004 & S0005) with a total potential heat input of 213.6 MM Btu/hr. All of these emission sources operate on dual fuel operation (natural gas and number 2 fuel oil), except Emission Source S0005 (the 68.4 MM Btu/hr Cleaver Brooks boiler), which operates on number 2 fuel oil (distillate oil) only. The Babcock & Wilcox boiler (Emission Source S0004) is being downgraded from 113 MM Btu/hr to 98 MM Btu/hr. Ever since



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its installation, this emission source was never operated at that capacity.

Emission Point E0001, Processes B01, B02 & BNG, and Emission Source/Control S0001, S0002, S0003, S0004 & S0005 are associated with Emission Unit U-00001.

Emission unit U00001 is associated with the following emission points (EP):
E0001

Process: B01 is located at BASEMENT, Building 1 - Process B01 is the firing of number 2 fuel oil in the three engine generators and the Babcock & Wilcox boiler in Emission Unit U-00001. The flue gas from the generators exhaust through a carbon filter and into the boiler.

Process: B02 is located at BASEMENT, Building 1 - Process B02 is the firing of number 2 fuel oil in the three engine generators and the Cleaver Brooks boiler in Emission Unit U-00001. The Cleaver Brooks boiler is operated during forced outages of the Babcock & Wilcox boiler or during routine maintenance.

Process: BNG is located at BASEMENT, Building 1 - Process BNG is the firing of natural gas in the three (3) engine generators and the Babcock Wilcox boiler in Emission Unit U-00001. The flue gas from the generators exhaust through a carbon filter and into a boiler.

Emission unit U00002 - Emission Unit U-00002 consists of the ethylene oxide sterilizer system as:

Emission Source ST007 - Steris- AMSCO Eagle-3048 sterilizer - existing 24 cubic feet

Emission Source ST008 - Steris-AMSCO Eagle-3048 sterilizer - existing 24 cubic feet

Emission Control ST009 - AMSCO EtO abator (Donaldson abator) - existing

Emission Source ST010 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet

Emission Source ST011 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet

Emission Control ST012 - AMSCO 50 CFM EtO abator - new

Emission Control ST009 is the existing abator for existing ethylene oxide sterilizers (Emission Sources ST007 & ST008), and Emission Control ST012 is the new abator for new ethylene oxide sterilizers (Emission Sources ST010 & ST011).

Emission Point E0002, Process ETO, and Emission Source/Control ST007, ST008, ST009, ST010, ST011, and ST012 are associated with Emission Unit U-00002.

Emission unit U00002 is associated with the following emission points (EP):
E0002

Process: ETO is located at MAIN FLOOR, Building 2 - Emission Unit U-00002 consists of ethylene oxide sterilization system. The facility is replacing one existing sterilizer (Emission Source ST006) with two new sterilizers (Emission Sources ST010 & ST011), equipped with an abator (Emission Control ST012). This unit upon upgrade will consist of four ethylene oxide sterilizers, two new AMSCO 4.8 CF



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and two existing AMSCO 24 CF sterilizers. Existing sterilizers are connected to an existing abator and the new sterilizers to be installed will be connected to a new abator (AMSCO 50 CFM).

Process EtO is the ethylene oxide sterilization process in Emission Unit U-00002, which consists of:

Emission Source ST006 - Steris- AMSCO Eagle-2045 sterilizer w/aerator and w/o an abator - will be removed

Emission Source ST007 - Steris- AMSCO Eagle-3048 sterilizer - existing 24 cubic feet

Emission Source ST008 - Steris-AMSCO Eagle-3048 sterilizer - existing 24 cubic feet

Emission Control ST009 - AMSCO EtO abator (Donaldson abator) - existing

Emission Source ST010 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet

Emission Source ST011 - Steris- AMSCO Eagle-3017 sterilizer - new 4.8 cubic feet

Emission Control ST012 - AMSCO 50 CFM EtO abator - new

The EtO sterilizers system utilizes a 10/90 mixture of EtO and HCFC 124 to sterilize the medical and surgical utensils and equipments. The length of the cycle is two hours for each sterilizer. The sterilizers are connected to the EtO abatement system.

Emission unit UC0003 - Emission Unit U-C0003 consists of combustion turbine-generator (Emission Source ES006), capable of oil-only (Process P04) or gas-only (Process P03) operation, downstream of which is a HRSG containing a duct burner (Emission Source ES007), capable of gas-only (Process P06) operation. Emission Unit U-C0003 consists of Emission Point EP003, Processes P03, P04 & P06, and Emission Source/Control ES006, ES007 & ES008. The emission control for the combustion turbine-generator and the duct burner is the GOALLINE/SCONOX, which is identified as Emission Control ES008.

Emission Point EP003, Processes P03, P04 & P06, and Emission Source/Control ES006, ES007 & ES008 are associated with Emission Unit U-C0003.

Emission unit UC0003 is associated with the following emission points (EP):
EP003

Process: P03 is located at 1, Building 1 - Process P03 is the firing of natural gas in the combustion turbine-generator (Emission Source ES006). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX).

Process: P04 is located at 1, Building 1 - Process P04 is the firing of distillate oil in the combustion turbine-generator (Emission Source ES006). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX).



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Process: P06 is located at 1, Building 1 - Process P06 is the firing of natural gas in the duct burner (GOALLINE/SCONOX).

Title V/Major Source Status

MONTEFIORE MEDICAL CTR-111 E 210TH ST is subject to Title V requirements. This determination is based on the following information:

Montefiore Medical Center is a major facility because the potential emissions of nitrogen oxides is greater than the major source thresholds, which is 25 tons per year for nitrogen oxides.

Program Applicability

The following chart summarizes the applicability of MONTEFIORE MEDICAL CTR-111 E 210TH ST 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)	NO
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - 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 Part 231) - 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) - 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,



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mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63) - 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) - 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) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - 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 212.10, 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) - 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 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

GENERAL MEDICAL & SURGICAL HOSPITALS



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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
1-03-006-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS
2-03-001-02	10-100 MMBtu/Hr INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL) Turbine
2-03-002-02	INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - NATURAL GAS Turbine
3-10-004-11	OIL AND GAS PRODUCTION OIL AND GAS PRODUCTION - PROCESS HEATERS DISTILLATE OIL (NO. 2): STEAM GENERATORS
3-15-020-01	PHOTOGRAPHIC EQUIPMENT HEALTH CARE - HOSPITALS Sterilization w/ Ethylene Oxide

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 Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). 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.

Cas No.	Contaminant Name	PTE	Range
		<u>lbs/yr</u>	



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007440-38-2	ARSENIC	5.91
007440-41-7	BERYLLIUM	3.53
007440-43-9	CADMIUM	15.5
000630-08-0	CARBON MONOXIDE	508700
007440-47-3	CHROMIUM	94.42
000075-21-8	ETHYLENE OXIDE	590
0NY100-00-0	HAP	769
007439-92-1	LEAD	12.54
007439-96-5	MANGANESE	19.73
007439-97-6	MERCURY	1.76
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	25.37
0NY210-00-0	OXIDES OF NITROGEN	847000
0NY075-00-0	PARTICULATES	161210
0NY075-00-5	PM-10	161210
007446-09-5	SULFUR DIOXIDE	306582
0NY998-00-0	VOC	103260

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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



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date of permit expiration for permit renewal purposes.

- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR 201-6.5(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.
- Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)**
All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:
- i. The ability of the Department to seek to bring suit on behalf of the State of



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

- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the



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effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
-- FACILITY	ECL 19-0301	132	Powers and Duties of the Department with respect to air pollution control
U- 00001/E0001/B01/S0004	40CFR 60-A	48	General provisions
U- 00001/E0001/BNG/S0004	40CFR 60-A	95	General provisions
U- 00001/E0001/B01/S0004	40CFR 60-A.11	62	General provisions - compliance with standards and maintenance requirements
U-	40CFR 60-A.11	109	General provisions -

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00001/E0001/BNG/S0004			compliance with standards and maintenance requirements
U-00001/E0001/B01/S0004	40CFR 60-A.12	63	General provisions - Circumvention
U-00001/E0001/BNG/S0004	40CFR 60-A.12	110	General provisions - Circumvention
U-00001/E0001/B01/S0004	40CFR 60-A.13	64	General provisions - Monitoring requirements
U-00001/E0001/BNG/S0004	40CFR 60-A.13	111	General provisions - Monitoring requirements
U-00001/E0001/B01/S0004	40CFR 60-A.13 (c)	65	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.14	32	General provisions - Modification
FACILITY	40CFR 60-A.15	33	General provisions - Reconstruction
U-00001/E0001/B01/S0004	40CFR 60-A.4	49	General provisions - Address
U-00001/E0001/BNG/S0004	40CFR 60-A.4	96	General provisions - Address
U-00001/E0001/B01/S0004	40CFR 60-A.7 (a)	50	Notification and Recordkeeping
U-00001/E0001/BNG/S0004	40CFR 60-A.7 (a)	97	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (b)	51	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (b)	98	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (c)	52	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (c)	99	Notification and Recordkeeping
U-00001/E0001/BNG/S0004	40CFR 60-A.7 (d)	53	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (d)	100	Notification and Recordkeeping
U-00001/E0001/BNG/S0004	40CFR 60-A.7 (f)	54	Notification and Recordkeeping
U-00001/E0001/B01/S0004	40CFR 60-A.7 (f)	101	Notification and Recordkeeping
U-00001/E0001/BNG/S0004	40CFR 60-A.8 (a)	55	Performance Tests
U-00001/E0001/B01/S0004	40CFR 60-A.8 (a)	102	Performance Tests
U-00001/E0001/BNG/S0004	40CFR 60-A.8 (b)	56	Performance Tests
U-00001/E0001/B01/S0004	40CFR 60-A.8 (b)	103	Performance Tests
U-00001/E0001/BNG/S0004	40CFR 60-A.8 (c)	57	Performance Tests
U-00001/E0001/B01/S0004	40CFR 60-A.8 (c)	104	Performance Tests
U-00001/E0001/BNG/S0004	40CFR 60-A.8 (d)	58	Performance Tests
U-00001/E0001/B01/S0004	40CFR 60-A.8 (d)	105	Performance Tests
U-00001/E0001/BNG/S0004	40CFR 60-A.8 (e)	59	Performance Tests
U-00001/E0001/B01/S0004	40CFR 60-A.8 (e)	106	Performance Tests



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00001/E0001/BNG/S0004			
U-	40CFR 60-A.8 (f)	60	Performance Tests
00001/E0001/B01/S0004			
U-	40CFR 60-A.8 (f)	107	Performance Tests
00001/E0001/BNG/S0004			
U-	40CFR 60-A.9	61	General provisions - Availability of information
00001/E0001/B01/S0004			
U-	40CFR 60-A.9	108	General provisions - Availability of information
00001/E0001/BNG/S0004			
U-	40CFR 60-Dc.40c	66, 67	Steam generators 10- 100 million Btu per hour
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.42c (d)	68	Standard for Sulfur Dioxide Firing Oil. (see narrative)
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.42c (h)	69	Exemption from Averaging Requirements
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.43c (c)	70	Standard for Opacity.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.44c (h)	71	Alternative Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.46c (d) (2)	72	Alternative sulfur dioxide emissions monitoring.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.46c (e)	73	Exemption from Emission Monitoring for Sulfur Dioxide.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.47c	74	Emission Monitoring for Particulate Matter.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (a)	131	Reporting and Recordkeeping Requirements.
C0003/EP003/P06/ES007			
U-	40CFR 60-Dc.48c (d)	75	Reporting and Recordkeeping Requirements.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (e) (1)	76	
00001/E0001/B01/S0004			
U-	40CFR 60-	81	Reporting and Recordkeeping requirements - fuel supplier certifications
00001/E0001/B01/S0004	Dc.48c (e) (11)		
U-	40CFR 60-Dc.48c (e) (2)	77	
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (e) (3)	78	
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (e) (4)	79	
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (e) (7)	80	
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (g)	82	Reporting and Recordkeeping Requirements.
00001/E0001/B01/S0004			
U-	40CFR 60-Dc.48c (i)	83	Reporting and Recordkeeping Requirements.
00001/E0001/B01/S0004			



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FACILITY	40CFR 60-GG.334	34	Monitoring of Operations for Turbines
U-C0003	40CFR 60-GG.334	120	Monitoring of Operations for Turbines
U-C0003	40CFR 60-GG.335 (b)	121	Test methods and procedures for NOx
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 82-F	21, 22	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.3	23	False Statement.
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	133	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	24, 35, 36	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (4)	15	General conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	2	General conditions
FACILITY	6NYCRR 201-6.5 (a) (8)	16	Fees
FACILITY	6NYCRR 201-6.5 (c)	3	General conditions
FACILITY	6NYCRR 201-6.5 (c) (2)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	17	Compliance schedules
FACILITY	6NYCRR 201-6.5 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.5 (f) (6)	18	Off Permit Changes
FACILITY	6NYCRR 201-6.5 (g)	25	Permit shield
FACILITY	6NYCRR 201-7.2	26, 27, 28	Emissions capping using synthetic minor permits
U-C0003/EP003/P03/ES006	6NYCRR 201-7.2	124, 125	Emissions capping using synthetic minor permits
U-C0003/EP003/P04/ES006	6NYCRR 201-7.2	127, 128	Emissions capping using synthetic minor

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U- C0003/EP003/P06/ES007	6NYCRR 201-7.2	129, 130	permits Emissions capping using synthetic minor permits
FACILITY	6NYCRR 202-1.1	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 211.2	134	General Prohibitions - visible emissions limited.
U- 00002/E0002/ETO/ST009	6NYCRR 212.2	112	Determination of environmental rating
U- 00002/E0002/ETO/ST012	6NYCRR 212.2	116	Determination of environmental rating
U- 00002/E0002/ETO/ST009	6NYCRR 212.3 (a)	113	General Process Emission Sources - emissions from existing emission sources
U- 00002/E0002/ETO/ST012	6NYCRR 212.3 (a)	117	General Process Emission Sources - emissions from existing emission sources
U- 00002/E0002/ETO/ST009	6NYCRR 212.6 (a)	114	General Process Emission Sources - opacity of emissions limited
U- 00002/E0002/ETO/ST012	6NYCRR 212.6 (a)	118	General Process Emission Sources - opacity of emissions limited
U- 00002/E0002/ETO/ST009	6NYCRR 212.9 (b)	115	General Process Emission Sources - tables
U- 00002/E0002/ETO/ST012	6NYCRR 212.9 (b)	119	General Process Emission Sources - tables
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (a) (2)	29	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 225-1.8	30	Reports, sampling and analysis.
U-00001/E0001/B01	6NYCRR 227.2 (b) (1)	39	Particulate emissions.
U-00001/E0001/B02	6NYCRR 227.2 (b) (1)	84	Particulate emissions.
U-C0003/EP003/P04	6NYCRR 227.2 (b) (1)	126	Particulate emissions.
U-00001/E0001	6NYCRR 227-1.3	37	Smoke Emission Limitations.
U-C0003/EP003	6NYCRR 227-1.3	122	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3 (a)	31	Smoke Emission Limitations.
U-00001/E0001	6NYCRR 227-1.3 (a)	38	Smoke Emission Limitations.
U-C0003/EP003	6NYCRR 227-1.3 (a)	123	Smoke Emission



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U-00001/E0001/B01/S0001	6NYCRR 227-2.6 (b)	40	Limitations. CEMS requirements
U-00001/E0001/B01/S0002	6NYCRR 227-2.6 (b)	42	CEMS requirements
U-00001/E0001/B01/S0003	6NYCRR 227-2.6 (b)	44	CEMS requirements
U-00001/E0001/B01/S0004	6NYCRR 227-2.6 (b)	46	CEMS requirements
U-00001/E0001/B02/S0005	6NYCRR 227-2.6 (b)	85	CEMS requirements
U-00001/E0001/BNG/S0001	6NYCRR 227-2.6 (b)	87	CEMS requirements
U-00001/E0001/BNG/S0002	6NYCRR 227-2.6 (b)	89	CEMS requirements
U-00001/E0001/BNG/S0003	6NYCRR 227-2.6 (b)	91	CEMS requirements
U-00001/E0001/BNG/S0004	6NYCRR 227-2.6 (b)	93	CEMS requirements
U-00001/E0001/B01/S0001	6NYCRR 227-2.6 (c)	41	Stack Test Requirements.
U-00001/E0001/B01/S0002	6NYCRR 227-2.6 (c)	43	Stack Test Requirements.
U-00001/E0001/B01/S0003	6NYCRR 227-2.6 (c)	45	Stack Test Requirements.
U-00001/E0001/B01/S0004	6NYCRR 227-2.6 (c)	47	Stack Test Requirements.
U-00001/E0001/B02/S0005	6NYCRR 227-2.6 (c)	86	Stack Test Requirements.
U-00001/E0001/BNG/S0001	6NYCRR 227-2.6 (c)	88	Stack Test Requirements.
U-00001/E0001/BNG/S0002	6NYCRR 227-2.6 (c)	90	Stack Test Requirements.
U-00001/E0001/BNG/S0003	6NYCRR 227-2.6 (c)	92	Stack Test Requirements.
U-00001/E0001/BNG/S0004	6NYCRR 227-2.6 (c)	94	Stack Test Requirements.
FACILITY	6NYCRR 231-2	27, 28	New Source Review in Nonattainment Areas and Ozone Transport Region
U-C0003/EP003/P03/ES006	6NYCRR 231-2	124, 125	New Source Review in Nonattainment Areas and Ozone Transport Region
U-C0003/EP003/P04/ES006	6NYCRR 231-2	127, 128	New Source Review in Nonattainment Areas and Ozone Transport Region
U-C0003/EP003/P06/ES007	6NYCRR 231-2	129, 130	New Source Review in Nonattainment Areas and Ozone Transport Region

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



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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 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 201-6.5 (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



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compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.5 (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 201-6.5 (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 201-6.5 (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 201-6.5 (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 201-6.5 (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 probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (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 201-6.5 (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 201-6.5 (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 201-6.5 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.



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

Facility Specific Requirements

In addition to Title V, MONTEFIORE MEDICAL CTR-111 E 210TH ST 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.



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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 60.334

This regulation is a NSPS regulation, which specifies monitoring of operations for turbines. This regulation requires facilities to monitor fuel sulfur and nitrogen on a per delivery basis for distillate oil. Or the facilities can come up with an alternative schedule for natural gas monitoring that will need USEPA's approval.

A NOx CEMS is used to demonstrate compliance with Subpart GG in accordance with a custom NSPS monitoring, recordkeeping and reporting plan pursuant to an alternative fuel schedule with USEPA. 40 CFR 60.13i.

40 CFR 60.335 (b)

This regulation sets for the methods and procedures to be followed for performance testing for emissions of NOx.

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 60.40c

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

40 CFR 60.42c (d)



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This regulation requires that on or after the date on which the initial performance test is completed or required to be completed under section 60.8 of 40 CFR 60 Subpart A, no owner or operator of an affected facility that combusts oil, shall combust oil with a sulfur content in excess of 0.5 percent by weight.

40 CFR 60.42c (h)

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

40 CFR 60.43c (c)

This regulation requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

40 CFR 60.44c (h)

This regulation requires facilities demonstrating compliance through vendor certification to follow the compliance procedures listed in the appropriate paragraphs of 40 CFR 60-Dc.48c.

40 CFR 60.46c (d) (2)

This regulation allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device

40 CFR 60.46c (e)

This regulation allows facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) who show compliance through vendor certification, to be exempt from the monitoring requirements of section 40 CFR 60-Dc.46c

40 CFR 60.47c

This regulation requires that all continuous emissions monitors measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60.

40 CFR 60.48c (a)

This regulation requires the owner and operator of each affected facility to submit notification of the date of construction or reconstruction, anticipated startup, and actual startup of the facility. The notification must include the following information:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity



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factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

40 CFR 60.48c (d)

This regulation requires the owner or operator of the facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c, to submit semi-annual reports to the EPA

40 CFR 60.48c (e) (1)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40 CFR 60.48c (e) (11)

If fuel supplier certifications are used to demonstrate compliance with the distillate oil specifications under 40 CFR 60-Dc.41c, then reports shall include a certified statement signed by the owner or operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

40 CFR 60.48c (e) (2)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40 CFR 60.48c (e) (3)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40 CFR 60.48c (e) (4)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40 CFR 60.48c (e) (7)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40 CFR 60.48c (g)

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

40 CFR 60.48c (i)



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This regulation requires the source owner or operator to retain all records for a minimum of two years for compliance with the NSPS. This does not supercede any requirement that is more stringent, including the Title V requirement to maintain records for for a minimum of 5 years.

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.

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



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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.

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 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

6 NYCRR 200.3

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

6 NYCRR 201-7.2

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 212.2

This regulation is a SIP regulation, which specifies determination of environmental rating. When an application is made for a permit to construct or for a certificate to operate for a process emission source, the commissioner will issue an environmental rating for each air contaminant from each emission point in accordance with Table 1 of 6 NYCRR 212.2.

Ethylene oxide is listed in Table II of Air Guide 1 as a high toxicity air contaminant due to the high potential for causing adverse effects on receptors or the environment as a result of exposure. As such, according to the criteria of Table 1 of 6 NYCRR 212.2, an "A" environmental rating is assigned. Therefore, the owner or the operator of the affected facility must control ethylene oxide emissions to achieve 99% contaminant capture. This is usually achieved by the installation and use of an abator.



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6 NYCRR 212.3 (a)

This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for existing (on or before July 1, 1973) process emission sources.

6 NYCRR 212.6 (a)

This rule specifies an opacity limitation of less than 20% for any six consecutive minute period for all process emission sources.

6 NYCRR 212.9 (b)

This section refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) but excluding Volatile Organic Compound Emissions in the New York City Metropolitan Area.

6 NYCRR 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6 NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, 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.

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

This regulation requires a limitation and compliance monitoring for opacity from a 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 227-2.6 (b)

Any owner or operator of a combustion source subject to reasonably available control technology



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(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.
 - (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.

6 NYCRR Subpart 231-2

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Non Applicability Analysis

List of non-applicable rules and regulations:

Location Facility/EU/EP/Process/ES	Regulation	Short Description
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U-00001/E0001/B01/S0004 40 CFR 60.42c

Standard for Sulfur
Dioxide

Reason: 40 CFR 60-Dc.42c, NSPS which limits the sulfur content in the distillate oil to 0.50 percent by weight is not applicable to this facility. This regulation is overruled by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Montefiore Medical Center must comply with the 0.20 percent by weight sulfur content limit as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c, NSPS.

FACILITY	40 CFR Part 60, Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
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Reason: The eight (8) emergency generators at Montefiore Medical Center were all manufactured prior to July 11, 2006 and therefore; they are not applicable to 40 CFR 60 Subpart IIII - Standards of performance for Stationary Compression Ignition Internal Combustion Engines.

FACILITY	40 CFR Part 63, Subpart ZZZZ	Reciprocating Internal Combustion Engine (RICE) NESHAP
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Reason: The eight (8) emergency generators at Montefiore Medical Center were all manufactured prior to June 15, 2004 and therefore; they are not applicable to 40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.5(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential

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enforcement action.

Compliance Certification
Summary of monitoring activities at MONTEFIORE MEDICAL CTR-111 E 210TH ST:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

U-00001/E0001/B01/S0004	65	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	52	record keeping/maintenance procedures
U-00001/E0001/BNG/S0004	99	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	66	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	67	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	68	work practice involving specific operations
U-00001/E0001/B01/S0004	70	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	71	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	72	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	74	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	131	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	75	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	76	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	81	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	77	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	78	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	79	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	80	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	82	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	83	record keeping/maintenance procedures
FACILITY	34	work practice involving specific operations
U-C0003	120	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	27	monitoring of process or control device parameters as surrogate
FACILITY	28	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P03/ES006	124	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P03/ES006	125	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P04/ES006	127	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P04/ES006	128	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	129	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	130	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
U-00002/E0002/ETO/ST009	112	work practice involving specific operations
U-00002/E0002/ETO/ST012	116	work practice involving specific operations
U-00002/E0002/ETO/ST009	113	monitoring of process or control device parameters as surrogate
U-00002/E0002/ETO/ST012	117	monitoring of process or control device parameters as surrogate



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U-00002/E0002/ETO/ST009	114	record keeping/maintenance procedures
U-00002/E0002/ETO/ST012	118	record keeping/maintenance procedures
U-00002/E0002/ETO/ST009	115	record keeping/maintenance procedures
U-00002/E0002/ETO/ST012	119	record keeping/maintenance procedures
FACILITY	29	work practice involving specific operations
FACILITY	30	record keeping/maintenance procedures
U-00001/E0001/B01	39	intermittent emission testing
U-00001/E0001/B02	84	intermittent emission testing
U-C0003/EP003/P04	126	intermittent emission testing
U-00001/E0001	37	monitoring of process or control device parameters as surrogate
U-C0003/EP003	122	monitoring of process or control device parameters as surrogate
FACILITY	31	monitoring of process or control device parameters as surrogate
U-00001/E0001	38	monitoring of process or control device parameters as surrogate
U-C0003/EP003	123	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0001	40	continuous emission monitoring (cem)
U-00001/E0001/B01/S0002	42	continuous emission monitoring (cem)
U-00001/E0001/B01/S0003	44	continuous emission monitoring (cem)
U-00001/E0001/B01/S0004	46	continuous emission monitoring (cem)
U-00001/E0001/B02/S0005	85	continuous emission monitoring (cem)
U-00001/E0001/BNG/S0001	87	continuous emission monitoring (cem)
U-00001/E0001/BNG/S0002	89	continuous emission monitoring (cem)
U-00001/E0001/BNG/S0003	91	continuous emission monitoring (cem)
U-00001/E0001/BNG/S0004	93	continuous emission monitoring (cem)
U-00001/E0001/B01/S0001	41	intermittent emission testing
U-00001/E0001/B01/S0002	43	intermittent emission testing
U-00001/E0001/B01/S0003	45	intermittent emission testing
U-00001/E0001/B01/S0004	47	intermittent emission testing
U-00001/E0001/B02/S0005	86	intermittent emission testing
U-00001/E0001/BNG/S0001	88	intermittent emission testing
U-00001/E0001/BNG/S0002	90	intermittent emission testing
U-00001/E0001/BNG/S0003	92	intermittent emission testing
U-00001/E0001/BNG/S0004	94	intermittent emission testing

Basis for Monitoring

This facility 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. In addition to record keeping/maintenance procedures requirements, this facility is required to comply with the following monitoring conditions:

Condition # 27 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to the following:

- EU: U-C0003, EP: EP003, Proc: P03, and ES: ES006,
- EU: U-C0003, EP: EP003, Proc: P03, and EC: ES008,
- EU: U-C0003, EP: EP003, Proc: P06, and ES: ES007 &
- EU: U-C0003, EP: EP003, Proc: P06, and EC: ES008.



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The natural gas usage for the gas combustion turbine-generator and duct burner combination shall not exceed 714 million cubic feet of gas per year.

This Part 201-7 condition 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 in a state facility permit.

This condition is Monitoring of Process or Control Device Parameters as Surrogate for ES007 (35 million Btu/hr duct burner). The natural gas usage for the gas combustion turbine-generator and duct burner combination (Emission Sources ES006 & ES007) shall not exceed 714 million cubic feet of gas per year, based upon an annual 12-month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the turbine/duct burner gas supply line. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Condition # 28 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to the following:

EU: U-C0003, EP: EP003, Proc: P04, and ES: ES006 &
EU: U-C0003, EP: EP003, Proc: P04, and EC: ES008.

The distillate oil usage for the 4.83 megawatt low NO_x combustion turbine-generator (ES006) shall not exceed 520 thousand gallons per year.

This Part 201-7 condition 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 in a state facility permit.

This condition is Monitoring of Process or Control Device Parameters as Surrogate for ES006 (4.83 megawatt low NO_x combustion turbine-generator). The distillate oil usage for the gas combustion turbine-generator (Emission Source ES006) shall not exceed 520 thousand gallons per year, based upon an annual 12-month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the oil supply line to the combustion-turbine generator. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Condition # 29 for 6 NYCRR 225-1.2(a)(2): This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Sulfur Dioxide. This



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condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.20 % by weight for distillate fuel (# 2 fuel oil). The sulfur content must be determined by the seller. The facility must maintain a log of the sulfur content of oils on a per delivery basis.

Condition # 31 for 6 NYCRR 227-1.3(a): This is a facility-wide condition. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for Opacity.

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 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 # 34 for 40 CFR 60.334, NSPS Subpart GG: This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Sulfur Dioxide.

This NSPS condition specifies monitoring of operations for turbines. This condition requires facilities to monitor fuel sulfur on a per delivery basis for distillate oil. Or the facilities can come up with an alternative schedule for oil monitoring that will need USEPA's approval. Montefiore Medical Center is limiting the distillate oil sulfur content to 0.003 percent by weight.

In accordance with the requirements set forth in 40 CFR 60.334 and 60.335 for the turbines, Montefiore Medical Center will be required to analyze its distillate fuel for sulfur content on a per delivery basis. Montefiore Medical Center is limiting the distillate oil sulfur content to 0.003 percent by weight. Montefiore Medical Center will submit fuel oil sulfur contents per each delivery on a quarterly basis. Or Montefiore Medical Center can come up with an alternative schedule (less frequent) monitoring that will need USEPA's approval. And once the alternative monitoring plan is approved by USEPA, it will be attached to the permit.

The facility will use commercially available distillate fuel oil (very low sulfur, 0.003 percent by weight). The permit limits for the sulfur content of the oil are much less than the current legal limits for sale of this product in the New York City area. The oil supplier will provide the required distillate oil analysis per each delivery.

As recommended by the GOALLINE SCONOX manufacturer (the catalytic reduction, Emission Control ES008 for Emission Sources ES006 & ES007), Montefiore Medical Center will use a fuel oil containing a maximum of 0.003 % by weight sulfur,



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it is designated as Ultra Low Sulfur Diesel (ULSD). This is the fuel that has been developed to meet the EPA Heavy Duty Highway Engines and Vehicles Standards due to take effect with the 2007 model year.

Condition #37 for 6 NYCRR 227-1.3: This condition is an emission unit level and emission point level condition that applies to EU: U-00001 and EP: E0001 for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for Opacity. This condition requires a limitation and compliance monitoring for opacity from a stationary combustion installation. This condition is for monitoring continuously the visible emissions using a Continuous Opacity Monitor (COM).

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 not more than 27% opacity.

This condition requires stack opacity not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria Appendix B of 40 CFR Part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department.

Condition #38 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level condition that applies to EU: U-00001 and EP: E0001 for Monitoring of Process or Control Device Parameters as Surrogate for Opacity.

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 not more than 27% opacity. This condition requires a continuous inspection for visible emissions utilizing a continuous opacity monitoring system (COMS).

Condition # 39 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level and emission point level, and process level condition that applies to EU: U-00001,



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Emission Point and Process B01. This condition is for Intermittent Emission Testing for Particulates.

This condition is for Intermittent Emission Testing for Particulates for the three COLTEC internal combustion engines and the two boilers (Emission Sources 00001, 00002, 00003, S00004 & 00005, respectively). This condition is for Intermittent Emission Testing for Particulates for the three COLTEC internal combustion engines (two at 13.5 MM Btu/r and one at 20.2 MM Btu/hr), the 98 MM Btu/hr Babcock Wilcox boiler, and the 68.4 MM Btu/hr Cleaver-Brooks boiler. This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. This condition establishes a particulate limit of 0.10 pounds per million Btus based on a 2 hour average emission for the oil fired stationary combustion installation (previously referenced four boilers) and is required once during the term of the permit.

Condition #40 for 6 NYCRR 227-2.6(b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0001. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0001 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

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

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

Condition #41 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0001. This condition is for Intermittent Emission Testing) for Oxides of Nitrogen and applies to EC: S0001 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines



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with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition #42 for 6 NYCRR 227-2.6(b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0002. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to EC: S0002 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

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

1. Submit a CEMS monitoring plan for approval by the Department,
2. Submit a CEMS certification protocol,

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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.

Condition # 43 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0002. This condition is for Intermittent Emission Testing for Oxides of Nitrogen and applies to EC: S0002 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition # 44 for 6 NYCRR 227-2.6 (b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0003. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to EC: S0003 (COLTEC 20.2 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines



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with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

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

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

Condition # 45 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, EC: S0003. This condition is for Intermittent Emission Testing for Oxides of Nitrogen and applies to EC: S0003 (COLTEC 20.2 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing distillate oil.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.



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3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition # 46 NYCRR 227-2.6 (b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, ES: S0004. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0004 (98 MM Btu/hr Babcock & Wilcox boiler). The NO_x RACT emission limit regulatory standard for mid-six boilers (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour operating on gas/oil is 0.12 pounds per million Btus.

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

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

Condition # 47 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: B01, ES: S0004. This condition is for Intermittent Emission Testing for Oxides of Nitrogen and applies to ES: S0004 (98 MM Btu/hr Babcock & Wilcox boiler). The NO_x RACT emission limit regulatory standard for mid-six boilers (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour operating on gas/oil is 0.12 pounds per million Btus.

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on distillate oil have a limit of 0.12 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.



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

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition #66 for 40 CFR 60.40c, NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Record Keeping/Maintenance Procedures and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide.

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

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

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



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Condition # 68 for 40 CFR 60.42(d), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Work Practice Involving Specific Operations for Sulfur Dioxide for the sulfur content in the distillate oil and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil

This condition requires that on or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts distillate oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

40 CFR 60-Dc.42c(d), NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superseded by regulation 6 NYCRR 225.1(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

Montefiore Medical Center must comply with the 0.20 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(d), NSPS.

Condition # 70 for 40 CFR 60.43c (c), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for opacity and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil.

This condition requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

Condition # 71 for 40 CFR 60.44c(h), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide for the sulfur content in the distillate oil and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil.



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This condition requires facilities demonstrating compliance through vendor certification to follow the compliance procedures listed in the appropriate paragraphs of 40 CFR 60-Dc.48c.

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

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

Condition # 72 for 40 CFR 60.46c (d)(2), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide for the 0.20 percent by weight sulfur content in the distillate oil and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil.

This condition allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device.

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

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

Condition # 74 for 40 CFR 60.47c, NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B01, and Emission Source: S0004. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for the 27% opacity limit when firing distillate oil in the 98 MM Btu/hr Babcock & Wilcox boiler.

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This condition requires that all continuous emissions monitor measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60.

Condition # 84 for 6 NYCRR 227.2 (b)(1): This condition is an emission unit level, emission point level and process condition that applies to EU: U-00001, Emission Point: E0001 and Process B02. This condition is for Intermittent Emission Testing for Particulates.

This condition is for Intermittent Emission Testing for Particulates for the three COLTEC internal combustion engines and the 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Sources 00001, 00002, 00003 & 00005, respectively). This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. This condition establishes a particulate limit of 0.10 pounds per million Btus based on a 2 hour average emission for the oil fired stationary combustion installation (previously referenced four boilers) and is required once during the term of the permit.

Condition # 85 for 6 NYCRR 227-2.6 (b): This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B02, and Emission Source: S0005. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen. This condition applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler operating on distillate oil. The NO_x RACT emission limit regulatory standard for mid-size boilers (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour) firing distillate oil is 0.12 pounds per million Btus.

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

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

Condition # 86 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to EU: U-00001, Emission Point: E0001, Process: B02, and Emission Source:

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S0005. This condition is for Intermittent Emission Testing for Oxides of Nitrogen. This condition applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler operating on distillate oil. The NOx RACT emission limit regulatory standard for mid-size boilers (maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour) firing distillate oil is 0.12 pounds per million Btus.

This condition is a SIP condition. This condition is for stack test requirements. The owner or operator of the facility is required to conduct an emission test (stack test) to verify NOx emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to 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 90 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.
3. 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 stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition # 87 for 6 NYCRR 227-2.6 (b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, EC: S0001. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0001 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NOx RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.



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

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

Condition # 88 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, EC: S0001. This condition is for Intermittent Emission Testing) for Oxides of Nitrogen and applies to ES: S0001 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

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Condition # 89 for 6 NYCRR 227-2.6 (b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, EC: S0002. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0002 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.

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

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

Condition # 90 for 6 NYCRR 227-2.6 (c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, ES: S0002. This condition is for Intermittent Emission Testing) for Oxides of Nitrogen and applies to EC: S0002 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and



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2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition # 91 for 6 NYCRR 227-2.6(b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, EC: S0003. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0003 (COLTEC 20.2 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.

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

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

Condition # 92 for 6 NYCRR 227-2.6(c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, EC: S0003. This condition is for Intermittent Emission Testing) for Oxides of Nitrogen and applies to ES: S0002 (COLTEC 13.5 MM Btu/hr stationary internal combustion engine). The NO_x RACT emission limit for lean burn internal combustion engines with compression ignition source is the standard 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005. This



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condition sets emission limits on oxides of nitrogen for lean burn internal combustion engines firing natural gas.

The owner or operator of internal combustion engines (source) is required to conduct an emission test (stack test) to verify NO_x emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to follow monitoring and reporting requirements. The stack testing for NO_x emission requires the facility to:

1. Submit a compliance test protocol to the department for approval at least 90 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 NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Condition # 93 for 6 NYCRR 227-2.6(b): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, ES: S0004. This condition is for Continuous Emission Monitoring (CEM) for Oxides of Nitrogen and applies to ES: S0004 (98 MM Btu/hr Babcock & Wilcox boiler). The NO_x RACT emission limit for large boilers (a boiler with a maximum heat input capacity between 50 million Btu per hour 100 million Btu per hour) is 0.10 pounds per million Btu per hour. This condition sets emission limits on oxides of nitrogen for mid-size boilers firing natural gas.

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

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

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4. Meet CEMS recordkeeping and reporting requirements as detailed in this paragraph of this subdivision.

Condition # 94 for 6 NYCRR 227-2.6(c): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-00001, EP: E0001, Proc: BNG, ES: S0004. This condition is for Intermittent Emission Testing for Oxides of Nitrogen and applies to ES: S0004 (98 MM Btu/hr Babcock & Wilcox boiler). The NOx RACT emission limit for mid-size boilers (a boiler with a maximum heat input capacity equal or greater than 50 million Btu per hour and equal to or less than 250 million Btu per hour) is 0.10 pounds per million Btu per hour. This condition sets emission limits on oxides of nitrogen for mid-size boilers firing natural gas.

The owner or operator of mid-size boilers (source) is required to conduct an emission test (stack test) to verify NOx emissions and to demonstrate compliance with 6 NYCRR 227-2.6(a). The facility is required to 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 90 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 mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

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

Condition # 112 for 6 NYCRR 212.2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Ethylene Oxide that applies to EU: U-00002, EP: E0002, Proc: ETO, EC: ST009. This condition is for Work Practice Involving Specific Operations for Ethylene Oxide and applies to ES: ST009 (AMSCO EtO abator - Donaldson abator).

This condition specifies the determination of environmental rating. When an application is made for a permit to construct or for a certificate to operate for a

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process emission source, the commissioner will issue an environmental rating for each air contaminant from each emission point in accordance with Table 1 of 6 NYCRR 212.2.

Ethylene oxide is listed in Table II of Air Guide 1 as a high toxicity air contaminant due to the high potential for causing adverse effects on receptors or the environment as a result of exposure. As such, according to the criteria of Table 1 of 6 NYCRR 212.2, an "A" environmental rating is assigned. Therefore, the owner or the operator of the affected facility must control ethylene oxide emissions to achieve 99% contaminant capture. This is usually achieved by the installation and use of an abator (Emission Control ST009 - AMSCO EtO abator).

Condition # 113 for 6 NYCRR 212.3(a): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Ethylene Oxide that applies to EU: U-00002, EP: E0002, Proc: ETO, EC: ST009. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Ethylene Oxide and applies to ES: ST009 (AMSCO EtO abator - Donaldson abator).

This condition requires compliance with the degree of control specified in Tables 2, 3 and 4 for existing (on or before July 1, 1973) process emission sources. This condition requires the facility to comply with either 99% or greater air cleaning or BACT is required for EtO emission from this sterilizer. This condition requires the EtO abator to be in operation whenever EtO sterilization is conducted.

Compliance of the EtO gas emissions from the sterilizer to the atmosphere with the limit of 0.0204 pounds per hour in Emission Point E0002 and Emission Unit U-00002 is to be verified with a stack test once during the term of the permit.

Condition # 116 for 6 NYCRR 212.2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Ethylene Oxide that applies to EU: U-00002, EP: E0002, Proc: ETO, EC: ST012. This condition is for Work Practice Involving Specific Operations for Ethylene Oxide and applies to ES: ST012 (50 cubic feet AMSCO EtO abator).

This condition specifies the determination of environmental rating. When an application is made for a permit to construct or for a certificate to operate for a process emission source, the commissioner will issue an environmental rating for each air contaminant from each emission point in accordance with Table 1 of 6 NYCRR 212.2.

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Ethylene oxide is listed in Table II of Air Guide 1 as a high toxicity air contaminant due to the high potential for causing adverse effects on receptors or the environment as a result of exposure. As such, according to the criteria of Table 1 of 6 NYCRR 212.2, an "A" environmental rating is assigned. Therefore, the owner or the operator of the affected facility must control ethylene oxide emissions to achieve 99% contaminant capture. This is usually achieved by the installation and use of an abator (Emission Control ST012 - 50 cubic feet AMSCO EtO abator).

Condition # 117 for 6 NYCRR 212.3(a): This condition is an emission unit level, emission point level, process level and emission source/control level condition for Ethylene Oxide that applies to EU: U-00002, EP: E0002, Proc: ETO, EC: ST012. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Ethylene Oxide and applies to ES: ST012 (50 cubic feet AMSCO EtO abator).

This condition requires compliance with the degree of control specified in Tables 2, 3 and 4 for existing (on or before July 1, 1973) process emission sources. This condition requires the facility to comply with either 99% or greater air cleaning or BACT is required for EtO emission from this sterilizer. This condition requires the EtO abator to be in operation whenever EtO sterilization is conducted.

Compliance of the EtO gas emissions from the sterilizer to the atmosphere with the limit of 0.0204 pounds per hour in Emission Point E0002 and Emission Unit U-00002 is to be verified with a stack test once during the term of the permit.

Condition # 122 for 6 NYCRR 227-1.3: This condition is an emission unit level and emission point level condition that applies to EU: U-C0003 and Emission Point: EP003. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for opacity using COMS. The opacity limit is 20 percent.

This condition requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

Condition # 123 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level condition that applies to EU: U-C0003 and Emission Point: EP003. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for opacity. 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 not more than 27 % opacity. These conditions require a continuous inspection for visible emissions utilizing a continuous opacity monitoring system (COMS).

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Condition # 124 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P03, ES: ES006. This condition is Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen for ES006 (4.83 megawatt low NOx combustion turbine-generator).

Semi-annually, Montefiore Medical Center is required to stack test the 4.83 megawatt combustion turbine-generator to verify the NOx emissions compliance with 6 NYCRR 227-2.6(a) to reflect the compliance of the GOALLINE/SCONOX with the 90 % control efficiency of the NOx control when operating on natural gas. The facility can be exempt from the semi-annually stack testing of the 4.83 megawatt combustion turbine-generator ONLY if the facility opts to install and employ CEMS (continuous emissions monitoring system) or equivalent to monitor the NOx emission. The requirements and procedures for CEMS are summarized in 6 NYCRR 227-2.6(b). The New York State Department of Environmental Conservation (NYSDEC) sets these emission limits as part of the NOx emissions capping limit out of New Source Review, 6 NYCRR 231-2. Since EPA requires Title V facilities to have periodic monitoring, therefore, either a semi-annual stack testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pfleging at Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 90% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P03 (natural gas) and Emission Source ES006 (4.83 megawatt Solar Taurus 60 combustion turbine-generator). Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

The facility is currently performing semi-annual NOx performance test on Emission Sources S0006 & S0007. The facility has been submitting test reports showing this 90% control efficiency when operating on natural gas.

Condition # 125 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P03, ES: ES006. This condition is Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen for ES006 (4.83 megawatt low NOx combustion turbine-generator).



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Semi-annually, Montefiore Medical Center is required to stack test the 4.83 megawatt combustion turbine-generator to verify the NOx emissions compliance with 6 NYCRR 227-2.6(a) to reflect the compliance of the GOALLINE/SCONOX with the 90 % control efficiency of the NOx control when operating on natural gas. The facility can be exempt from the semi-annually stack testing of the 4.83 megawatt combustion turbine-generator ONLY if the facility opts to install and employ CEMS (continuous emissions monitoring system) or equivalent to monitor the NOx emission. The requirements and procedures for CEMS are summarized in 6 NYCRR 227-2.6(b). The New York State Department of Environmental Conservation (NYSDEC) sets these emission limits as part of the NOx emissions capping limit out of New Source Review, 6 NYCRR 231-2. Since EPA requires Title V facilities to have periodic monitoring, therefore, either a semi-annual stack testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pflieger at Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 90% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P03 (natural gas) and Emission Source ES006 (4.83 megawatt Solar Taurus 60 combustion turbine-generator). Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

The facility is currently performing semi-annual NOx performance test on Emission Sources S0006 & S0007. The facility has been submitting test reports showing this 90% control efficiency when operating on natural gas.

Condition # 126 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level, emission point level and process condition that applies to EU: U-C0003, Emission Point: EP003 and Process P04. This condition is for Intermittent Emission Testing for Particulates for the combustion turbine-generator and the duct burner (Emission Sources ES006 & ES007). This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. This condition establishes a particulate limit of 0.10 pounds per million Btus based on a 2 hour average emission for the referenced emission sources, and is required once during the term of the permit.

Condition # 127 for 6 NYCRR 201-7.2, Capping Out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P04, ES: ES006. The distillate oil usage for the 4.83 megawatt low NOx combustion turbine-generator (ES006) shall not exceed 520 thousand gallons per year.



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This Part 201-7 condition 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 in a state facility permit.

This condition is Monitoring of Process or Control Device Parameters as Surrogate for ES006 (4.83 megawatt low NO_x combustion turbine-generator). The distillate oil usage for the gas combustion turbine-generator (Emission Sources ES006) shall not exceed 520 thousand gallons per year, based upon an annual 12-month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the oil supply line to the combustion-turbine generator. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Condition # 128 for 6 NYCRR 201-7.2, Capping Out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P04, ES: ES006. This condition is Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen for ES006 (4.83 megawatt low NO_x combustion turbine-generator).

Semi-annually, Montefiore Medical Center is required to stack test the 4.83 megawatt combustion turbine-generator to verify the NO_x emissions compliance with 6 NYCRR 227-2.6(a) to reflect the compliance of the GOALLINE/SCONOX with the 80 % control efficiency of the NO_x control when operating on distillate oil. The facility can be exempt from the semi-annually stack testing of the 4.83 megawatt combustion turbine-generator ONLY if the facility opts to install and employ CEMS (continuous emissions monitoring system) or equivalent to monitor the NO_x emission. The requirements and procedures for CEMS are summarized in 6 NYCRR 227-2.6(b). The New York State Department of Environmental Conservation (NYSDEC) sets these emission limits as part of the NO_x emissions capping limit out of New Source Review, 6 NYCRR 231-2. Since EPA requires Title V facilities to have periodic monitoring, therefore, either a semi-annual stack testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pflieger at Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 80% control efficiency of the NO_x control equipment installed, maintained, and operated at this facility for Process P04 (distillate oil) and Emission Source S0006 (4.83 megawatt combustion turbine-generator).



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Condition # 129 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P06, ES: ES007. The natural gas usage for the gas combustion turbine-generator and duct burner combination shall not exceed 714 million cubic feet of gas per year.

This Part 201-7 condition 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 in a state facility permit.

This condition is Monitoring of Process or Control Device Parameters as Surrogate for ES007 (35 million Btu/hr duct burner). The natural gas usage for the gas combustion turbine-generator and duct burner combination (Emission Sources ES006 & ES007) shall not exceed 714 million cubic feet of gas per year, based upon an annual 12-month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the turbine/duct burner gas supply line. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Condition # 130 for 6 NYCRR 201-7.2, Capping out of 6 NYCRR 231-2: This condition is an emission unit level, emission point level, process level and emission source/control level condition for Oxides of Nitrogen that applies to EU: U-C0003, EP: EP003, Proc: P06, ES: ES007. This condition is Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen for ES007 (35 MM Btu/hr duct burner).

Semi-annually, Montefiore Medical Center is required to stack test the 35 MM Btu/hr Forney Corp. duct burner (Emission source ES007) in conjunction with Emission Source ES006 (4.83 megawatt combustion turbine-generator) to verify the NO_x emissions compliance with 6 NYCRR 227-2.6(a) to reflect the compliance of the GOALLINE/SCONOX with the 90 % control efficiency of the NO_x control when operating on natural gas (Process P06). The facility can be exempt from the semi-annually stack testing of the 35 MM Btu/hr duct burner in conjunction with the 4.83 megawatt combustion turbine-generator ONLY if the facility opts to install and employ CEMS (continuous emissions monitoring system) or equivalent to monitor the NO_x emission. The requirements and procedures for CEMS are summarized in 6 NYCRR 227-2.6(b). The New York State Department of Environmental Conservation (NYSDEC) sets these emission limits as part of the NO_x emissions capping limit out of New Source Review, 6 NYCRR 231-2. Since EPA requires Title V facilities to have periodic monitoring, therefore, either a semiannual stack testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pflieger at



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Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 90% control efficiency of the NO_x control equipment installed, maintained, and operated at this facility for Process P06 (natural gas) and Emission Source ES007 (35 MM Btu/hr Forney Corp. duct burner). Emission Source ES007 (35 MM Btu/hr Forney Corp. duct burner) fires only natural gas and it is operated in conjunction with Emission Source ES006 (4.83 megawatt combustion turbine-generator).