

**Division of Air Resources  
Permit Review Report**

**Permit ID: 2-6002-00105/00002**  
**Renewal Number: 4**  
**04/26/2021**

**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 E 210TH ST  
BRONX, NY 10467-2401, USA  
Owner Classification: Corporation/Partnership

**Permit Contacts**

Division of Environmental Permits:  
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Division of Air Resources:  
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Air Permitting Contact:  
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111 E 210TH ST  
BRONX, NY 10467-2401  
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**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.

**Attainment Status**

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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 (2) mid-size boilers (Emission Sources S0004 and S0005), three (3) Coltec IC Engines (Emission Sources S0001, S0002 and S0003), one (1) combustion turbine (Emission Source ES006, one (1) duct burner (Emission Control ES007), ten (10) emergency generators, thirty-six (36) fuel oil storage tanks and fifteen (15) fume hoods.

The 68.4 MM Btu/hr Cleaver Brooks boiler (Emission Source S0005) has a NOx variance granted to allow a maximum NOx emissions rating of 0.12 lbs/MM Btu in order to comply with the NOx RACT. In addition, two of the three Coltec engines (Emission Sources S0002 & S0003) also have a NOx RACT variance granted on fuel oil firing scenario at 2.8 g/bhp-hr and 3.5 g/bhp-hr; respectively.

In order to meet the NOx RACT requirement of 0.08 lbs/MM Btu for the 98 MM Btu/hr Babcock & Wilcox boiler (Emission Source S0004), the boiler was retrofitted with low NOx burner and FGR (Flue Gas Recirculation) system. The retrofit was completed by December 9, 2015 and the emissions test was completed on 12/22/2015 and 12/23/2015. The report was mailed to NYSDEC Region 2 Office.

The facility has neither added nor removed nor changed the operation of the combustion sources. The facility will continue with the variances granted for the two Coltec engines (Emission Sources S0002 & S0003) and that of the CleaverBrooks boiler (Emission Source S0005).

On 6/18/2020, the facility has removed the two (2) Ethylene Oxide sterilizers (Emission Sources ST010 and ST011) with one (1) abator (Emission Control ST012).

Previously, on 4/29/2017, the facility removed the two 24 cubic feet each AMSCO Ethylene Oxide Sterilizer 3048 (Emission Sources ST007 & ST008) with their 90 cubic feet DONALDSON abator (Emission Control ST009). There are no more ETO Sterilizers at the facility.

The facility operates other sources which are considered exempt from permitting in accordance with 6

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NYCRR 201-3.2(c), including ten (10) emergency power generators (operating <500 hours/yr), thirty-six (36) distillate fuel oil storage tanks < 300,000 barrels, and fifteen (15) ventilating and exhaust system for laboratory operations.

**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 UC0003 - Emission Unit U-C0003 consists of combustion turbine-generator (Emission Source ES006), capable of firing natural gas (Process P03) and #2 fuel oil (Process P04), and a downstream operation of which is a HRSG containing a duct burner (Emission Source ES007), capable of firing natural gas only (Process P06). 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 and is a catalytic reduction.

The emissions vent from one common stack, connected to the existing emission control, defined as Emission Point EP003.

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

The 4.83 megawatt Solar Taurus 60 , the Low NOx Combustion Turbine Generator (Emission Source ES006 is equivalent to 16.5 MM Btu/hr.

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) in Emission Unit U-C0003. The emissions are controlled by

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Emission Control ES008 (GOALLINE/SCONOX), and then the uncontrolled emissions exhaust through a stack identified as Emission Point EP003.

Process: P04 is located at 1, Building 1 - Process P04 is the firing of #2 distillate fuel oil in the combustion turbine-generator (Emission Source ES006). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX), and then the uncontrolled emissions exhaust through a stack identified as Emission Point EP003.

The #2 fuel oil used is the ULSD (ultra low sulfur distillate oil #2 of 15 ppm or 0.0015 % maximum sulfur by weight) fuel oil.

Process: P06 is located at 1, Building 1 - Process P06 is the firing of natural gas in the duct burner (Emission Source ES007). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX), and then the uncontrolled emissions exhaust through a stack identified as Emission Point EP003.

Emission unit U00001 - Emission Unit U-00001 consists of three Coltec 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 natural gas and # 2 fuel oil (Processes BNG & B01; respectively), except Emission Source S0005 (the 68.4 MM Btu/hr Cleaver Brooks boiler), which operates on # 2 fuel oil (Process B02) only. The Babcock & Wilcox boiler (Emission Source S0004) is being downgraded from 113 MM Btu/hr to 98 MM Btu/hr. Ever since its installation, this emission source was never operated at that capacity.

All three (3) Coltec Internal Combustion engines (Emission Sources S0001, S0002 & S0003) are 2 stroke configuration lean burn compression ignition non-emergency engines > 500 hp located at an area source for HAPs. These three engines are installed with dual fuel operating controls and fuel air equipment. Lean Burn engines operating temperature range per Subpart ZZZZ is 450-1350 F. The emissions from the 3 Coltec engines are controlled by an oxidation catalyst. These engines are subject to work practices listed in Table 2d of Subpart ZZZZ of the MACT. Emissions exhaust through a stack identified as Emission Point E0001.

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

The Coltec internal combustion engines, Emission Sources S0001 & S0002 are 13.5 MM Btu/hr each:

$$13.5 \text{ MM Btu/hr} \times (1 \text{ hp}/2,544.43 \text{ Btu/hr}) = 5,305.71 \text{ hp}$$

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13.5 MM Btu/hr x (1 KW/3,412.142 Btu/hr) = 3,956.46 KW

The Coltec internal combustion engine, Emission Source S0003 is 20.2 MM Btu/hr:

20.2 MM Btu/hr x (1 hp/2,544.43 Btu/hr) = 7,938.91 hp

20.2 MM Btu/hr x (1 KW/3,412.142 Btu/hr) = 5,920.04 KW

	Engine #1	Engine #2
Emission Source	S0001	S0002
Number of strokes	2	2
Rich/lean burn	lean burn	lean burn
Number of cylinders	6	6
bhp	2,205	2,205
MM Btu/hr	13.5	13.5
Displacement/cylinder	1,037 cu. in.	1,037 cu. in.
Displacement/cylinder	1,699 liters	1,699 liters

	Engine #3
Emission Source	S0003
Number of strokes	2
Rich/lean burn	lean burn
Number of cylinders	9
bhp	3,308
MM Btu/hr	20.2
Displacement/cylinder	1,037 cu. in.
Displacement/cylinder	1,699 liters

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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 #2 fuel oil in the three Coltec IC engine generators (Emission Sources S0001, S0002 & S0003) and the Babcock & Wilcox boiler (Emission Source S0004) in Emission Unit U-00001. The flue gas from the Coltec IC generators exhaust through a carbon filter and into the boiler and then through a stack identified as Emission Point E0001.

The #2 fuel oil used is the ULSD (ultra low sulfur distillate oil #2 of 15 ppm or 0.0015 % maximum sulfur by weight) fuel oil.

Process: B02 is located at BASEMENT, Building 1 - Process B02 is the firing of #2 fuel oil in the Cleaver Brooks boiler (Emission Source S0005) in Emission Unit U-00001. The Cleaver Brooks boiler is operated during forced outages of the Babcock & Wilcox boiler (Emission Source S0004) or during routine maintenance. Emissions exhaust through a stack identified as Emission Point E0001.

The #2 fuel oil used is the ULSD (ultra low sulfur distillate oil #2 of 15 ppm or 0.0015 % maximum sulfur by weight) fuel oil.

Process: BNG is located at BASEMENT, Building 1 - Process BNG is the firing of natural gas in the three (3) Coltec IC engine generators (Emission Sources S0001, S0002 & S0003) and the Babcock Wilcox boiler (Emission Source S0004) in Emission Unit U-00001. The flue gas from the generators exhaust through a carbon filter and into the boiler and then through a stack identified as Emission Point E0001.

**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:

**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

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NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

**NOTES:**

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

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

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

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

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

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

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

**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 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

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term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

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

**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

3-10-004-11

Turbine  
 OIL AND GAS PRODUCTION  
 OIL AND GAS PRODUCTION - PROCESS HEATERS  
 DISTILLATE OIL (NO. 2): STEAM GENERATORS

**Facility Emissions Summary**



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

<b>Cas No.</b>	<b>Contaminant</b>	<b>PTE lbs/yr</b>	<b>PTE tons/yr</b>	<b>Actual lbs/yr</b>	<b>Actual tons/yr</b>
000075-07-0	ACETALDEHYDE	2098.78		1062.21	
000107-02-8	ACROLEIN	2096.3		1059.32	
007440-38-2	ARSENIC	5.83		0.24	
000071-43-2	BENZENE	522.34		300.66	
007440-41-7	BERYLLIUM	4.38		0.13	
007440-43-9	CADMIUM	4.71		0.47	
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	289011120		151894591	
000630-08-0	CARBON MONOXIDE	637641.25		164394.18	
007440-47-3	CHROMIUM	4.8		0.56	
000050-00-0	FORMALDEHYDE	14971.14		7632.47	
007439-92-1	LEAD	20		0.55	
007439-96-5	MANGANESE	8.86		0.38	
007439-97-6	MERCURY	4.45		0.21	
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	5.02		0.77	
0NY210-00-0	OXIDES OF NITROGEN	837585.52		221272.47	
0NY075-00-0	PARTICULATES	29947.3		7647.644	
0NY075-02-5	PM 2.5	29947.3		7647.644	
0NY075-00-5	PM-10	29947.3		7647.644	
130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS	69.55		28.19	
000115-07-1	PROPYLENE	7854.93		4018.92	
007446-09-5	SULFUR DIOXIDE	680860.33		47706.17	
000108-88-3	TOLUENE	290.8		160.8	
0NY100-00-0	TOTAL HAP	28060		14319.2	
0NY998-00-0	VOC	94732.52		29013.48	
001330-20-7	XYLENE, M, O & P MIXT.	97.95		53.32	

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)**  
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**  
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**  
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**  
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**  
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**  
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)**  
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)**  
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

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**Item I: Permit Shield - 6 NYCRR Part 201-6.4(g)**

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

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

**Item J: Reopening for Cause - 6 NYCRR Part 201-6.4(i)**

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a 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

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procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

**Item K: Permit Exclusion - ECL 19-0305**

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

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

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

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

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

- (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item\_02

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

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

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

**Regulatory Analysis**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Condition</b>	<b>Short Description</b>
--			
FACILITY	ECL 19-0301	166	Powers and Duties of the Department with respect to air pollution control
U- 00001/E0001/B01/S0004	40CFR 60-A	98	General provisions
U- 00001/E0001/BNG/S0004	40CFR 60-A	137	General provisions
U- 00001/E0001/B01/S0004	40CFR 60-A.11	112	General provisions - compliance with standards and maintenance requirements
U- 00001/E0001/BNG/S0004	40CFR 60-A.11	151	General provisions - compliance with standards and maintenance requirements
U- 00001/E0001/B01/S0004	40CFR 60-A.12	113	General provisions - Circumvention
U-	40CFR 60-A.12	152	General provisions -

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00001/E0001/BNG/S0004				Circumvention
U-	40CFR 60-A.13	114		General provisions -
00001/E0001/B01/S0004				Monitoring
				requirements
U-	40CFR 60-A.13	153		General provisions -
00001/E0001/BNG/S0004				Monitoring
				requirements
U-	40CFR 60-A.13(c)	115		General provisions -
00001/E0001/B01/S0004				Monitoring
				requirements
FACILITY	40CFR 60-A.14	50		General provisions -
				Modification
U-	40CFR 60-A.4	99		General provisions -
00001/E0001/B01/S0004				Address
U-	40CFR 60-A.4	138		General provisions -
00001/E0001/BNG/S0004				Address
U-	40CFR 60-A.7(a)	100		Notification and
00001/E0001/B01/S0004				Recordkeeping
U-	40CFR 60-A.7(a)	139		Notification and
00001/E0001/BNG/S0004				Recordkeeping
U-	40CFR 60-A.7(b)	101		Notification and
00001/E0001/B01/S0004				Recordkeeping
U-	40CFR 60-A.7(b)	140		Notification and
00001/E0001/BNG/S0004				Recordkeeping
U-	40CFR 60-A.7(c)	102		Notification and
00001/E0001/B01/S0004				Recordkeeping
U-	40CFR 60-A.7(c)	141		Notification and
00001/E0001/BNG/S0004				Recordkeeping
U-	40CFR 60-A.7(d)	103		Notification and
00001/E0001/B01/S0004				Recordkeeping
U-	40CFR 60-A.7(d)	142		Notification and
00001/E0001/BNG/S0004				Recordkeeping
U-	40CFR 60-A.7(f)	104		Notification and
00001/E0001/B01/S0004				Recordkeeping
U-	40CFR 60-A.7(f)	143		Notification and
00001/E0001/BNG/S0004				Recordkeeping
U-	40CFR 60-A.8(a)	105		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(a)	144		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.8(b)	106		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(b)	145		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.8(c)	107		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(c)	146		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.8(d)	108		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(d)	147		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.8(e)	109		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(e)	148		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.8(f)	110		Performance Tests
00001/E0001/B01/S0004				
U-	40CFR 60-A.8(f)	149		Performance Tests
00001/E0001/BNG/S0004				
U-	40CFR 60-A.9	111		General provisions -
00001/E0001/B01/S0004				Availability of
				information
U-	40CFR 60-A.9	150		General provisions -
00001/E0001/BNG/S0004				Availability of

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U-00001/E0001/B01/S0004	40CFR 60-Dc.40c	116, 117	information Steam generators 10-100 million Btu per hour
U-00001/E0001/B01/S0004	40CFR 60-Dc.42c(d)	118	Standard for Sulfur Dioxide Firing Oil. (see narrative)
U-00001/E0001/B01/S0004	40CFR 60-Dc.42c(h)	119	Exemption from Averaging Requirements
U-00001/E0001/B01/S0004	40CFR 60-Dc.43c(c)	120	Standard for Opacity.
U-00001/E0001/B01/S0004	40CFR 60-Dc.44c(h)	121	Alternative Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.
U-00001/E0001/B01/S0004	40CFR 60-Dc.46c(d)(2)	122	Alternative sulfur dioxide emissions monitoring.
U-00001/E0001/B01/S0004	40CFR 60-Dc.46c(e)	123	Exemption from Emission Monitoring for Sulfur Dioxide.
U-00001/E0001/B01/S0004	40CFR 60-Dc.47c	124	Emission Monitoring for Particulate Matter.
U-C0003/EP003/P06/ES007	40CFR 60-Dc.48c(a)	165	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(d)	125	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(1)	126	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(11)	131	Reporting and Recordkeeping requirements - fuel supplier certifications
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(2)	127	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(3)	128	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(4)	129	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(e)(7)	130	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(g)	132	Reporting and Recordkeeping Requirements.
U-00001/E0001/B01/S0004	40CFR 60-Dc.48c(i)	133	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-GG.334	51	Monitoring of Operations for Turbines
U-C0003	40CFR 60-GG.334	154	Monitoring of Operations for Turbines

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U-C0003	40CFR 60-GG.335(b)	155	Test methods and procedures for NOx
FACILITY	40CFR 63-ZZZZ.6585	53	Reciprocating Internal Combustion Engine (RICE) NESHAP - Applicability
FACILITY	40CFR 63-ZZZZ.6603(a)	54	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
U-00001/E0001/B01/S0001	40CFR 63-ZZZZ.6603(a)	76, 77, 78	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
U-00001/E0001/B01/S0002	40CFR 63-ZZZZ.6603(a)	96	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
FACILITY	40CFR 63-ZZZZ.6604	55	Reciprocating Internal Combustion Engine (RICE) NESHAP - Fuel requirements for CI RICE
U-00001/E0001/B01/S0001	40CFR 63-ZZZZ.6612(a)	79	Reciprocating Internal Combustion Engine (RICE) NESHAP - Dates for Initial Compliance Demonstrations
FACILITY	40CFR 63-ZZZZ.6615	56	Reciprocating Internal Combustion Engine (RICE) NESHAP - Subsequent Performance Tests
U-00001/E0001/B01/S0001	40CFR 63-ZZZZ.6620(i)	80	Reciprocating Internal Combustion Engine (RICE) NESHAP - performance tests
FACILITY	40CFR 63-ZZZZ.6625(e)	57	Reciprocating Internal Combustion Engine (RICE) NESHAP - maintenance of engine and control device
U-00001/E0001/B01/S0001	40CFR 63-ZZZZ.6630(a)	81, 82	Reciprocating Internal Combustion Engine (RICE) NESHAP - Initial Compliance Demonstration
FACILITY	40CFR 63-ZZZZ.6640	58	Reciprocating Internal Combustion Engine (RICE) NESHAP - Compliance Requirements
U-00001/E0001/B01/S0001	40CFR 63-ZZZZ.6640(a)	83	Reciprocating Internal Combustion



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U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6640(b)	84	Engine (RICE) NESHAP - Compliance Requirements Reciprocating Internal Combustion Engine (RICE) NESHAP - deviations and catalyst changing
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6640(d)	85	Reciprocating Internal Combustion Engine (RICE) NESHAP - treatment of deviations during first 200 hours of operation
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6640(e)	86	Reciprocating Internal Combustion Engine (RICE) NESHAP - non-compliance with NESHAP General Provisions
FACILITY	40CFR 63-ZZZZ.6640(f)	59, 60, 61	Reciprocating Internal Combustion Engine (RICE) NESHAP - emergency engines
FACILITY	40CFR 63-ZZZZ.6645	62	Reciprocating Internal Combustion Engine (RICE) NESHAP - Notification requirements
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6645(a)	87	Reciprocating Internal Combustion Engine (RICE) NESHAP - NESHAP General Provision
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6645(g)	88	notifications Reciprocating Internal Combustion Engine (RICE) NESHAP - notification of intent to conduct performance test
U- 00001/E0001/B01/S0001	40CFR 63- ZZZZ.6645(h)(2)	89	Reciprocating Internal Combustion Engine (RICE) NESHAP - notification of compliance status for performance tests
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6650(c)	90	Reciprocating Internal Combustion Engine (RICE) NESHAP - contents of compliance reports
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6650(d)	91	Reciprocating Internal Combustion Engine (RICE) NESHAP - deviation reports
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6650(e)	92	Reciprocating Internal Combustion Engine (RICE) NESHAP - deviation reporting contained in compliance reports
FACILITY	40CFR 63-ZZZZ.6655	63	Reciprocating Internal Combustion

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U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6655(a)	93	Engine (RICE) NESHAP - Record keeping requirements
FACILITY	40CFR 63-ZZZZ.6655(b)	64	Reciprocating Internal Combustion Engine (RICE) NESHAP - records that must be kept
U- 00001/E0001/B01/S0001	40CFR 63-ZZZZ.6655(e)	94	Reciprocating Internal Combustion Engine (RICE) NESHAP - records that must be kept for CEMS and CPMS
FACILITY	40CFR 63-ZZZZ.6665	65	Reciprocating Internal Combustion Engine (RICE) NESHAP - General provisions
FACILITY	40CFR 63-ZZZZ.Table(2)(	52	Requirements for Existing Compression Ignition Stationary RICE Located at Area Sources of HAP Emissions
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 80-I.510(b)	66, 67	Motor vehicle diesel fuel: non road, locomotive and marine diesel fuel
U- 00001/E0001/B01/S0001	40CFR 80-I.510(b)	95	Motor vehicle diesel fuel: non road, locomotive and marine diesel fuel
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	167	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, 14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	15	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	24, 68, 69	Title V Permits and the Associated Permit Conditions

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FACILITY	6NYCRR 201-6.4(a)(4)	16	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4(a)(8)	17, 18	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(2)	4	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(c)(3)(ii)	5	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(d)(4)	25	Compliance Certification
FACILITY	6NYCRR 201-6.4(e)	6	Operational Flexibility
FACILITY	6NYCRR 201-6.4(f)	26	Permit Shield
FACILITY	6NYCRR 201-6.4(g)	27	State Enforceable Requirements
FACILITY	6NYCRR 201-6.5(a)	168	Emission Capping in Facility Permits
FACILITY	6NYCRR 201-7.1	28, 70, 71	Required emissions tests.
FACILITY	6NYCRR 202-1.1	19	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.1	7	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 202-2.5	8	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.1	169	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 211.2	31	Open Fires - Prohibitions
FACILITY	6NYCRR 215.2	9	Sulfur-inFuel Limitation - Distillate Oil
FACILITY	6NYCRR 225-1.2(d)	32	Fuel Analysis Records
FACILITY	6NYCRR 225-1.6(b)	33	Particulate emissions.
U-00001/E0001/B01	6NYCRR 227.2(b)(1)	74	Particulate emissions.
U-00001/E0001/B02	6NYCRR 227.2(b)(1)	134	Particulate emissions.
U-C0003/EP003/P04	6NYCRR 227.2(b)(1)	160	Particulate emissions.
U-00001/E0001	6NYCRR 227-1.3(a)	72	Particulate Emission Standards
U-C0003/EP003	6NYCRR 227-1.3(a)	156	Particulate Emission Standards
FACILITY	6NYCRR 227-1.3(c)	34	Annual Tune-up Requirement
FACILITY	6NYCRR 227-1.4(a)	35	Opacity Standard
U-00001/E0001	6NYCRR 227-1.4(a)	73	Opacity Standard
U-C0003/EP003	6NYCRR 227-1.4(a)	157	Opacity Standard
FACILITY	6NYCRR 227-2.4(c)(1)	36, 37	Emission limits.
FACILITY	6NYCRR 227-2.4(f)(3)	38, 39, 40	Emission limit for distillate oil fired

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U- 00001/E0001/B01/S0001	6NYCRR 227-2.4(f)(3)	75	engines. Emission limit for distillate oil fired engines.
U- 00001/E0001/BNG/S0001	6NYCRR 227-2.4(f)(3)	135	Emission limit for distillate oil fired engines.
FACILITY	6NYCRR 227-2.6(b)	41, 42, 43, 44	CEMS requirements
U- 00001/E0001/B01/S0004	6NYCRR 227-2.6(b)	97	CEMS requirements
U- 00001/E0001/BNG/S0004	6NYCRR 227-2.6(b)	136	CEMS requirements
FACILITY	6NYCRR 227-2.6(c)	45, 46, 47, 48, 49	Stack Test Requirements.

**Applicability Discussion:**

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

ECL 19-0301

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

6 NYCRR 200.6

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

6 NYCRR 200.7

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

6 NYCRR 201-1.4

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

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

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

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a

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period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

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

6 NYCRR 201-6.4 (a) (4)

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

6 NYCRR 201-6.4 (a) (7)

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

6 NYCRR 201-6.4 (a) (8)

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

6 NYCRR 201-6.4 (c)

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

6 NYCRR 201-6.4 (c) (2)

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

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

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

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6 NYCRR 201-6.4 (d) (4)

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

6 NYCRR 201-6.4 (e)

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

6 NYCRR 201-6.4 (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.

6 NYCRR 202-1.1

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

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

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

6 NYCRR 211.2

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

6 NYCRR 215.2

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

40 CFR Part 68

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

40 CFR Part 82, Subpart F

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

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**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.

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 60.334

This citation states the requirements for monitoring of operations for Subpart GG.

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.

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40 CFR 60.42c (d)

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 venter 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 of 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



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in the affected facility.

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.

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

40 CFR 60.48c (d)

This regulation requires the owner or operator of the facility subject to the SO<sub>2</sub> 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.

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40 CFR 60.48c (i)

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.

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40 CFR 60.8 (c)

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

40 CFR 60.8 (d)

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

40 CFR 60.8 (e)

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

40 CFR 60.8 (f)

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

40 CFR 60.9

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

40 CFR 63.6585

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

40 CFR 63.6603 (a)

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

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

40 CFR 63.6604

These conditions state the fuel requirements for compression ignition engines that uses diesel fuel.

40 CFR 63.6612 (a)

This condition reduces emissions of hazardous air pollutants by requiring the owner or operator of an existing stationary RICE with a site rating less than or equal to 500 brake horsepower located at a major

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source of HAP emissions to conduct a performance test proving that the engine(s) meet the emission limits in this rule within 180 days of the date that the facility must be in compliance or substitute a previous performance test.

40 CFR 63.6615

This citation states when subsequent performance tests must be performed.

40 CFR 63.6620 (i)

This condition requires the facility to determine the percent load that the engine was operating at during the performance test. The facility must provide written documentation of how the load was determined for each engine.

40 CFR 63.6625 (e)

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

40 CFR 63.6630 (a)

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it was initially meeting the emission limits listed in this rule.

The facility must conduct a performance test to measure the emissions of pollutants during normal engine operation, and either install a device to continuously measure these emissions or measure parameters which are representative of what the emissions would be during operation of the engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

40 CFR 63.6640

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it is continuously meeting the emission limits listed in this rule.

When the facility conducted the performance test to measure the emissions of pollutants during normal engine operation, the facility had to either install a device to continuously measure these emissions or measure parameters which are representative of what the emissions would be during operation of the

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engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

40 CFR 63.6640 (a)

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it is continuously meeting the emission limits listed in this rule.

When the facility conducted the performance test to measure the emissions of pollutants during normal engine operation, the facility had to either install a device to continuously measure these emissions or measure parameters which are representative of what the emissions would be during operation of the engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

40 CFR 63.6640 (b)

This condition specifies what the facility needs to do in the event that the results of the monitoring show that the facility was not meeting the emission limits in this rule. This is called a deviation from the emission limits and/or operating limits of this rule and must be reported to NYSDEC.

This condition also requires the facility to conduct another performance test and re-establish the operating parameters if the catalyst in the control device is changed.

40 CFR 63.6640 (d)

If the monitoring shows that the engine(s) was not meeting the emission limits in this rule during the first 200 hours of operation, it will not be considered a violation if the terms of this condition are met.

40 CFR 63.6640 (e)

This condition requires the facility to report when it was not meeting one of the requirements in Table 8 of this rule. Table 8 refers to the provisions in Subpart A (General Provisions) that may or may not apply to facilities subject to this rule.

40 CFR 63.6640 (f)

This condition states the operation requirements for emergency engines.

40 CFR 63.6645

This regulation sets forth the notification requirements for the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6645 (a)

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This condition lists all of the notifications that are listed in Subpart A (General Provisions) that need to be submitted by the facility.

40 CFR 63.6645 (g)

This condition specifies that a facility must submit a notification of intent to conduct a performance test at least 60 days before the scheduled test.

40 CFR 63.6645 (h) (2)

This condition requires the facility to submit a Notification of Compliance Status report.

40 CFR 63.6650 (c)

This condition lists what the facility needs to submit with the semiannual compliance report required in this rule.

40 CFR 63.6650 (d)

This condition lists what the facility needs to submit when a deviation occurs with respect to requirements in this rule.

40 CFR 63.6650 (e)

This condition lists what information the facility needs to submit for each deviation from an emission limit or operating limit.

40 CFR 63.6655

This regulation sets forth the record keeping requirements for owners or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6655 (a)

This regulation sets forth the record keeping requirements for owners or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6655 (b)

This regulation sets forth the record keeping requirements for each continuous emission monitor or

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continuous parameter monitoring system for stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6655 (e)

This regulation sets forth the record keeping requirements for RICE subject to facility specific maintenance plans.

40 CFR 63.6665

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

40 CFR 63.Table (2) (d)

This citation states the requirements for existing stationary engines located at area sources.

40 CFR 80.510 (b)

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 201-6.4 (f)

This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 201-6.5 (a)

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This subdivision states that the Department shall include state enforceable conditions in Title V permits. State enforceable conditions related to regulations developed pursuant to the Climate Leadership and Community Protection Act (CLCPA) and Article 75 of New York State Environmental Conservation Law may be included in future versions of this permit, as applicable.

6 NYCRR 201-7.1

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

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 225-1.2 (d)

This subdivision sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

6 NYCRR 225-1.6 (b)

This subdivision requires the retention of fuel analyses at a subject facility.

6 NYCRR 227.2 (b) (1)

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

6 NYCRR 227-1.3 (a)

This subdivision sets the particulate matter emission standards for subject stationary combustion installations.

6 NYCRR 227-1.3 (c)

This subdivision requires that all stationary combustion installations subject to this subpart perform an annual tune-up.



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6 NYCRR 227-1.4 (a)

This subdivisions sets the opacity standard for subject stationary combustion installations.

6 NYCRR 227-2.4 (c) (1)

Presumptive NOx RACT emission limits for mid-size boilers.

6 NYCRR 227-2.4 (f) (3)

Presumptive NOx RACT emission limit for distillate oil fired stationary internal combustion engines.

6 NYCRR 227-2.6 (b)

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

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

6 NYCRR 227-2.6 (c)

**Non Applicability Analysis**

**List of non-applicable rules and regulations:**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Short Description</b>
U-00001/E0001/B01	40 CFR 60.42c	Standard for Sulfur Dioxide

Reason: 40 CFR 60-Dc.42c, NSPS Standards for Sulfur Dioxide, 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

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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.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(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 enforcement action.

**Compliance Certification**

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

<b>Location Facility/EU/EP/Process/ES</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
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U-00001/E0001/B01/S0004	115	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	102	record keeping/maintenance procedures
U-00001/E0001/BNG/S0004	141	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	116	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	117	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	118	work practice involving specific operations
U-00001/E0001/B01/S0004	120	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	121	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	122	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0004	124	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	165	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	125	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	126	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	131	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	127	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	128	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	129	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	130	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	132	record keeping/maintenance procedures
U-00001/E0001/B01/S0004	133	record keeping/maintenance procedures
FACILITY	51	work practice involving specific operations
U-C0003	154	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures
FACILITY	54	intermittent emission testing
U-00001/E0001/B01/S0001	76	intermittent emission testing
U-00001/E0001/B01/S0001	77	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	78	monitoring of process or control device parameters

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U-00001/E0001/B01/S0002	96	as surrogate monitoring of process or control device parameters as surrogate
FACILITY	56	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	80	record keeping/maintenance procedures
FACILITY	57	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	81	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	82	record keeping/maintenance procedures
FACILITY	58	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0001	83	monitoring of process or control device parameters as surrogate
FACILITY	59	record keeping/maintenance procedures
FACILITY	60	record keeping/maintenance procedures
FACILITY	61	record keeping/maintenance procedures
FACILITY	62	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	87	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	89	record keeping/maintenance procedures
FACILITY	63	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	93	record keeping/maintenance procedures
FACILITY	64	record keeping/maintenance procedures
U-00001/E0001/B01/S0001	94	record keeping/maintenance procedures
FACILITY	65	record keeping/maintenance procedures
FACILITY	52	record keeping/maintenance procedures
FACILITY	66	monitoring of process or control device parameters as surrogate
FACILITY	67	monitoring of process or control device parameters as surrogate
U-00001/E0001/B01/S0001	95	monitoring of process or control device parameters as surrogate
FACILITY	14	work practice involving specific operations
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	29	monitoring of process or control device parameters as surrogate
FACILITY	30	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P03/ES006	158	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P03/ES006	159	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P04/ES006	161	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P04/ES006	162	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	163	monitoring of process or control device parameters as surrogate
U-C0003/EP003/P06/ES007	164	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
FACILITY	32	work practice involving specific operations
FACILITY	33	record keeping/maintenance procedures
U-00001/E0001/B01	74	intermittent emission testing
U-00001/E0001/B02	134	intermittent emission testing
U-C0003/EP003/P04	160	intermittent emission testing
U-00001/E0001	72	monitoring of process or control device parameters as surrogate
U-C0003/EP003	156	monitoring of process or control device parameters as surrogate
FACILITY	34	record keeping/maintenance procedures
FACILITY	35	monitoring of process or control device parameters as surrogate
U-00001/E0001	73	monitoring of process or control device parameters as surrogate
U-C0003/EP003	157	monitoring of process or control device parameters

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		as surrogate
FACILITY	36	intermittent emission testing
FACILITY	37	intermittent emission testing
FACILITY	38	intermittent emission testing
FACILITY	39	intermittent emission testing
FACILITY	40	intermittent emission testing
U-00001/E0001/B01/S0001	75	intermittent emission testing
U-00001/E0001/BNG/S0001	135	intermittent emission testing
FACILITY	41	continuous emission monitoring (cem)
FACILITY	42	continuous emission monitoring (cem)
FACILITY	43	continuous emission monitoring (cem)
FACILITY	44	continuous emission monitoring (cem)
U-00001/E0001/B01/S0004	97	continuous emission monitoring (cem)
U-00001/E0001/BNG/S0004	136	continuous emission monitoring (cem)
FACILITY	45	continuous emission monitoring (cem)
FACILITY	46	continuous emission monitoring (cem)
FACILITY	47	intermittent emission testing
FACILITY	48	intermittent emission testing
FACILITY	49	intermittent emission testing

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**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:

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 # 14 for 6 NYCRR 201-3.2 (a):** This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for 500 hrs limit hours per year operation.

As proof of exempt eligibility for the emergency generators, the facility must maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis.

**Condition # 29 for 6 NYCRR 201-7.1, 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 Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen that applies to the following:

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

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EU: U-C0003, EP: EP003, Proc: P04, and EC: ES008

The distillate oil usage for the 4.83 megawatt low NO<sub>x</sub> combustion turbine-generator (ES006 & ES008) 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<sub>x</sub> combustion turbine-generator). The distillate oil usage for the gas combustion turbine-generator (Emission Sources/Control ES006 & ES008) 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 # 30 for 6 NYCRR 201-7.1, Capping out of 6 NYCRR 231-2:** This condition is an emission unit level, emission point level, process level and emission source/control level Monitoring of Process or Control Device Parameters as Surrogate 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.

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

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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 # 32 for 6 NYCRR 225-1.2 (d):** This is a facility-wide condition for Sulfur content. The distillate fuel oil (#2 heating oil) purchase is limited to 0.0015 percent sulfur by weight. Compliance with this limit will be based on vendor certifications.

**Condition # 35 for 6 NYCRR 227-1.4 (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.

This condition requires the specific contents of excess emissions reports for opacity from facilities that employ continuous opacity monitors (COMs).

**Condition # 36 for 8 NYCRR 227-2.4 ( c ) (1):** This is a condition that applies to a mid-size boiler, the 98 MM Btu/hr Babcock & Wilcox boilers (Emission Source S0004) operating on natural gas (Process BNG) and # 2 fuel oil (Process B01). This condition is for Intermittent Emission Testing for Oxides of Nitrogen and a NOx RACT emission limit of 0.08 pounds per million Btus on or after July 1, 2014.

**Condition # 37 for 8 NYCRR 227-2.4 ( c ) (1):** This is a condition that applies to a mid-size boiler, the 68.4 MM Btu/hr Cleaver Brooks boiler (Emission Source S0005) operating on #2 fuel oil (Process B02). This condition is for Intermittent Emission Testing for Oxides of Nitrogen and a NOx RACT emission limit of 0.12 pounds per million Btus on or after July 1, 2014.

This condition applies to the 68.4 MM Btu/hr Cleaver-Brooks DL-76-RH boiler (Emission Source S0005).

**Condition # 38 for 8 NYCRR 227-2.4 (f) (3):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #2 stationary internal combustion engine (Emission Sources S0002), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NOx RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NOx RACT emission limit of 2.8

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grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

**Condition # 39 for 8 NYCRR 227-2.4 (f) (3):** This is a condition that applies to the 20.2 MM Btu/hr Coltec #3 stationary internal combustion engine (Emission Sources S0003), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 3.5 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

**Condition # 40 for 8 NYCRR 227-2.4 (f) (3):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #1 stationary internal combustion engine (Emission Sources S0001), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.3 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

**Condition # 41 for 8 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<sub>x</sub> 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<sub>x</sub> 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.

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This condition is the approved NO<sub>x</sub> RACT Variance of 0.12 pounds per million Btus and applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Source S0005).

**Condition # 42 for 8 NYCRR 227-2.6 (b):** This is a condition that applies to the 20.2 MM Btu/hr Coltec #3 stationary internal combustion engine (Emission Sources S0003), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 3.5 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition requires any owner or operator of a combustion source subject to reasonably available control technology (RACT) requirements, under this subdivision, for NO<sub>x</sub> 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 # 43 for 8 NYCRR 227-2.6 (b):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #2 stationary internal combustion engine (Emission Sources S0002), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.8 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition requires any owner or operator of a combustion source subject to reasonably available control technology (RACT) requirements, under this subdivision, for NO<sub>x</sub> 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.



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**Condition # 44 for 8 NYCRR 227-2.6 (b):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #1 stationary internal combustion engine (Emission Sources S0001), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.3 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition requires any owner or operator of a combustion source subject to reasonably available control technology (RACT) requirements, under this subdivision, for NO<sub>x</sub> 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 8 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, Processes: B01 & 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<sub>x</sub> 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 (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 0.08 pounds per million Btus. CEMS is an OPTIONAL requirement. The facility may choose to perform emissions testing once during the term of the permit instead of CEMS.

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 0.08 pounds of NO<sub>x</sub> per million Btus under the NO<sub>x</sub> RACT plan for mid-size boilers.

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

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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<sub>x</sub> 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 # 46 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: 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 NO<sub>x</sub> 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. CEMS is an OPTIONAL requirement. The facility may choose to perform emissions testing once during the term of the permit instead of CEMS.

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 NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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 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.

This condition is the approved NO<sub>x</sub> RACT Variance of 0.12 pounds per million Btus and applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Source S0005).

**Condition # 47 for 8 NYCRR 227-2.6 (c):** This is a condition that applies to the 20.2 MM Btu/hr Coltec #3 stationary internal combustion engine (Emission Sources S0003), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 3.5 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition is from a SIP regulation. 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 NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.

3. 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

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 # 48 for 8 NYCRR 227-2.6 ( c):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #2 stationary internal combustion engine (Emission Sources

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S0002), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for approving the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.8 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition is from a SIP regulation. 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 NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
3. 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
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 # 49 for 8 NYCRR 227-2.6 (c):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #1 stationary internal combustion engine (Emission Sources S0001), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.3 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

This condition is from a SIP regulation. 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 NO<sub>x</sub> 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<sub>x</sub> emission requires the facility to:

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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 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 # 51 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

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weight sulfur, 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 # 54 for 40 CFR 63. 6603 (a), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Intermittent Emission Testing for Carbon Monoxide. This condition lists the Carbon Monoxide emission limit that existing engines located at an area source of HAP emissions must meet. The limit for Carbon Monoxide is 23 parts per million by volume (corrected to 15% O<sub>2</sub>).

**Condition # 58 for 40 CFR 63.6640, Subpart ZZZZ:** This condition is for Monitoring of Process or Control Device Parameters as Surrogate for Total HAP for the Pressure Drop. This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Total HAP.

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it is continuously meeting the emission limits listed in this rule.

When the facility conducted the performance test to measure the emissions of pollutants during normal engine operation, the facility had to either install a device to continuously measure these emissions or measure parameters which are representative of what the emissions would be during operation of the engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

Then if the RICE reduces CO emissions by using an oxidation catalyst, and if the facility is using a continuous parameter monitoring system (CPMS) to demonstrate continuous compliance with the emission limits and operating limits in Subpart ZZZZ, then the facility must:

- 1- conduct performance tests every 8,760 hours or 3 years, whichever comes first, for CO; and
- 2 - measure the pressure drop across the catalyst once per month and demonstrate that the pressure drop across the catalyst is within the operating limit established during the performance test.

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The pressure drop across the catalyst must not change by more than two inches of water at 100% load plus or minus 10% from the pressure drop across the catalyst that was measured during the initial performance test that is required in 40 CFR 63.6630.

**Condition # 66 for 40 CFR 80.510 (b):** This is a facility-wide condition for Sulfur Dioxide. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for sulfur. Beginning October 1, 2010: Except as otherwise specifically provided in 40 CFR 80 Subpart I, all nonroad and locomotive marine diesel fuel is subject to the following per-gallon standards for sulfur content:

15 ppm maximum for nonroad (NR) diesel fuel

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

**Condition # 67 for 40 CFR 80.510 (b):** This is a facility-wide condition. This condition is for Monitoring of Process or Control Device Parameters as Surrogate for sulfur. This condition is for motor vehicle diesel fuel: non-road, locomotive and marine diesel fuel.

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

15 ppm maximum for NR diesel fuel.

**Condition # 72 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 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.

The opacity is limited to 20% at Emission Point E0001 when any of the three COLTEC internal combustion engines and the 98 MM Btu/hr Babcock & Wilcox boiler (Emission Sources 00001, 00002, 00003 & S00004; respectively) are firing # 2 fuel oil.

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The facility is required to observe the stacks for each combustion source operating on oil once per day for visible emissions.

**Condition # 73 for 6 NYCRR 227-1.4 (a):** This condition is an emission unit level and emission point level that applies to EU: U-00001 and Emission Point: E0001 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.

This condition requires the specific contents of excess emissions reports for opacity from facilities that employ continuous opacity monitors (COMs).

**Condition # 74 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, 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 98 MM Btu/hr Babcock & Wilcox boiler (Emission Sources 00001, 00002, 00003 & S00004; 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 # 75 for 6 NYCRR 227-2.4 (f) (3):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #1 stationary internal combustion engine (Emission Sources S0001), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.3 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.



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**Condition # 76 for 40 CFR 63.6603 (a), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Intermittent Emission Testing for Carbon Monoxide. This condition requires that emissions of Carbon Monoxide must be reduced by 70% or more based on the average of three 1-hour runs for existing engines located at an area source of HAP.

**Condition # 78 for 40 CFR 63. 6603 (a), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Monitoring of Process or Control Device Parameters as Surrogate for Temperature for Carbon Monoxide. This condition lists the operating limits, and work practices that existing engines located at an area source of HAP emissions must meet.

The owner or operator of an existing non-emergency stationary RICE located at an area source of HAP emissions using an oxidation catalyst to meet the emission limits listed in table 2d of subpart ZZZZ must maintain the temperature across the catalyst.

The temperature of the stationary RICE exhaust must be maintained to keep the catalyst inlet temperature greater than or equal to 450 degrees F and less than or equal to 1350 degrees F.

**Condition # 83 for 40 CFR 63. 6640 (a), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Monitoring of Process or Control Device Parameters as Surrogate for Pressure Drop for Carbon Monoxide. This condition lists the operating limits, and work practices that existing engines located at an area source of HAP emissions must meet. The pressure drop across the catalyst must not change by more than two (2) inches of water at 100% load plus or minus 10% from the pressure drop across the catalyst that was measured during the initial performance test that is required in 40 CFR 63.6630.

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it is continuously meeting the emission limits listed in this rule.

When the facility conducted the performance test to measure the emissions of pollutants during normal engine operation, the facility had to either install a device to continuously measure these emissions or measure parameters which are representative of what the

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emissions would be during operation of the engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

A facility complying with the CO concentration limit using an oxidation catalyst and a continuous parameter monitoring system (CPMS) for an existing non-emergency compression ignition engine with a site rating greater than 500 brake horsepower will demonstrate continuous compliance if each of the following is met:

- 1) conduct performance tests every 8,760 hours or 3 years, whichever comes first, for CO;
- 2) demonstrate that the emissions remain at or below the CO concentration limit;
- 3) measure the pressure drop across the catalyst once per month;
- 4) demonstrate that the pressure drop across the catalyst is within the operating limitation established during the performance test; and
- 5) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

**Condition # 95 for 40 CFR 80. 510 (b), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Content. The sulfur content limit is 15 ppm by weight. This condition is for motor vehicle diesel fuel: non-road, locomotive and marine diesel fuel.

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

15 ppm maximum for NR diesel fuel.

**Condition # 96 for 40 CFR 63. 6603 (a), Subpart ZZZZ:** This is a condition that applies to the three Coltec stationary internal combustion engines, the two 13.5 MM Btu/hr each (Emission Sources S0001 & S0002), and the 20.2 MM Btu/hr (Emission Source S0003) operating on #2 fuel oil (Process B01) and natural gas (BNG) for Monitoring of Process or Control Device Parameters as Surrogate for Pressure Drop for Carbon Monoxide. This condition lists the operating limits, and work practices

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that existing engines located at an area source of HAP emissions must meet. The pressure drop across the catalyst must not change by more than two (2) inches of water at 100% load plus or minus 10% from the pressure drop across the catalyst that was measured during the initial performance test that is required in 40 CFR 63.6630.

**Condition # 97 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<sub>x</sub> 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<sub>x</sub> 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 # 116 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 Sulfur Dioxide for Monitoring of Process or Control Device Parameters as Surrogate for the sulfur content and applies to the 98 MM Btu/hr Babcock & Wilcox boiler operating on distillate oil.

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.

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

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

**Condition # 118 for 40 CFR 60.42c(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 225-1.2, which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

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

**Condition # 120 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

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greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

**Condition # 121 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.

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, which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

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

**Condition # 122 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 0.0015 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 of 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, which limits the sulfur content in the distillate oil to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

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Montefiore Medical Center must comply with the 0.0015 percent by weight sulfur content limit in distillate oil as per 6 NYCRR 225-1.2, which has more stringent limit for New York City than 40 CFR 60-Dc.46c(d)(2), NSPS.

**Condition # 124 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.

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 # 134 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 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Source 00005). 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 # 135 for 6 NYCRR 227-2.4 (f) (3):** This is a condition that applies to the 13.5 MM Btu/hr Coltec #1 stationary internal combustion engine (Emission Sources S0001), operating on #2 fuel oil (Process B01) and natural gas (BNG) for Oxides of Nitrogen. This condition is for the NO<sub>x</sub> RACT Variance for Intermittent Emission Testing for Oxides of Nitrogen and for the presumptive NO<sub>x</sub> RACT emission limit of 2.3 grams per brake horsepower-hour for distillate oil fired stationary internal combustion engines.

**Condition # 136 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<sub>x</sub> 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

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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<sub>x</sub> 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 # 156 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 EP: EP003 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.

The opacity is limited to 20% at Emission Point E0001 when the 4.83 megawatt low NO<sub>x</sub> combustion turbine-generator (Emission Source ES006) is firing # 2 fuel oil.

The facility is required to observe the stacks for each combustion source operating on oil once per day for visible emissions.

**Condition # 157 for 6 NYCRR 227-1.4 (a):** This condition is an emission unit level and emission point level 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. 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.

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This condition requires the specific contents of excess emissions reports for opacity from facilities that employ continuous opacity monitors (COMs).

**Condition # 158 for 6 NYCRR 207-1, 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 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 # 159 for 6 NYCRR 201-7.1, 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



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Control Device Parameters as Surrogate for Oxides of Nitrogen for ES006 (4.83 megawatt low NOx combustion turbine-generator).

The natural gas usage for the gas combustion turbine-generator and duct burner combination (Emission Sources ES006 & ES007) in Processes P03 & P06 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 gas flow meter is manufactured by MicroMotion Model CMF200M419NC and the gas flow meter transmitter is MicroMotion Elite Remote Flow Transmitter Model RFT9739E58CA. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

**Condition # 160 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 # 161 for 6 NYCRR 201-7.1, 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.

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 NOx 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.

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**Condition # 162 for 6 NYCRR 201-7.1, 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<sub>x</sub> combustion turbine-generator).

Semi-annually, Montefiore Medical Center is required to stack test the 4.83 megawatt combustion turbine-generator to verify the NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> control equipment installed, maintained, and operated at this facility for Process P04 (distillate oil) and Emission Source S0006 (4.83 megawatt combustion turbine-generator).

**Condition # 163 for 6 NYCRR 201-7.1, 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

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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 # 164 for 6 NYCRR 201-7.1, 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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 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<sub>x</sub> 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).