

**Division of Air Resources
Permit Review Report**

Permit ID: 2-6204-00059/00001

Renewal Number: 4

05/04/2026

Facility Identification Data

Name: MOUNT SINAI HOSPITAL

Address: 1 GUSTAVE L LEVY PL|1450 MADISON AVE
NEW YORK, NY 10029

Owner/Firm

Name: MOUNT SINAI MEDICAL CENTER

Address: 1 GUSTAVE L LEVY PL
NEW YORK, NY 10029-6504, 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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1 GUSTAVE LEVY PL BOX 1091- ATRAN-BERG B2-56A

NEW YORK, NY 10029

Phone:6463576100

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

This project consists of the renewal of the Title V permit issued to Mount Sinai Hospital. There are no changes to the equipment, emission units, processes, emission sources and emission controls.

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The facility is major source of Oxides of Nitrogen and operates several combustion sources and thus are subject to 6 NYCRR Part 227-2 Reasonably Available Control Technology (RACT) for Major Facilities of Oxides of Nitrogen (NOx). This permit contains conditions that establish case-by-case NOx RACT limits that vary from the presumptive RACT limits for internal combustion engines firing distillate oil, which is 2.3 grams per brake horsepower-hour. The RACT analysis conducted by the facility demonstrates that the cost of installing an appropriate control devices on four (4) Caterpillar 3512C engines exceed the cost effectiveness threshold established by the Department’s DAR-20 guidance document. Accordingly, the Department has granted Mount Sinai Hospital a NOx RACT variance limit of 4.54 grams per brake horsepower-hour. Under this alternate NOx RACT variance, engines are permitted to participate in demand response programs. This variance is granted until September 30, 2026, after which NOx RACT variance is considered expired and the four (4) Caterpillar 3512C engines will operate as emergency use only.

Process specific RACT determinations that are included in this permit action will be submitted to the United States Environmental Protection Agency for approval as a revision to the State Implementation Plan (SIP).

The application addresses the directive concerning the requirements of a CLCPA analysis/determination.

Attainment Status

MOUNT SINAI HOSPITAL is located in the town of MANHATTAN in the county of NEW YORK. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

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

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

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

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Facility Description:

Mount Sinai School of Medicine. The Industrial Classification Code (SIC) is 8062- Medical Facility. The facility operates six (6) Victory Energy steam generating boilers (BLR01, BLR02, BLR03, BLR04, BLR05, & BLR06) in Emission Unit U-B0001; four (4) Caterpillar CAT 3512C electric generators (ENG01, ENG02, ENG03, ENG04) in Emission Unit U-CDRP, participating in a Coordinated Demand Response Program (CDRP), twelve (12) exempt emergency generators from the Annenberg Pavilion Building, and nine (9) exempt distillate oil storage tanks.

Permit Structure and Description of Operations

The Title V permit for MOUNT SINAI HOSPITAL

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.

MOUNT SINAI HOSPITAL is defined by the following emission unit(s):

Emission unit U-CDRP - Emission Unit U-CDRP consists of four(4) electric generators installed inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building. Each generator is equipped with a Caterpillar Model 3512C engine rated at 2206 brake horsepower (bhp-hr) and 1500 electrical kilowatts (EKW), and firing distillate (diesel) fuel oil at 100 % load. Each of the engine is a 2018 model year with Tier II emission rates.

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The four engines are identified as Emission Sources ENG01, ENG02, ENG03 and ENG0, and each generator will have its own stack, Emission Points EPTG1, EPTG2, EPTG3 and EPTG4, with the exit about 25 feet above the roof level, about 125 feet above the ground level.

The generators are permitted for providing emergency power to the MSMC complex and for participation in Coordinated Demand Response Program (CDRP) until September 30, 2026. After September 30, 2026, Emission Unit-CDRP and its associated engines are permitted for emergency use only. Each engine will be restricted to operate only 200 hours per year.

Emission unit U-CDRP is associated with the following emission points (EP):

EPTG1, EPTG2, EPTG3, EPTG4

Process: ENG is located at Roof, Building KCC - Process ENG is the firing of distillate (diesel) fuel oil at 100 % load in each of the four 2206 bhp-hr or 1500 Kilowatts electric rating Caterpillar CAT 3512C engines (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP. The total throughput rates are for the combined four engines. The quantity per year is based on each engine operating 200 hours annually at full (100%) load. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 brp-hr or 1500 electrical kilowatts (EKW) and is a 2018 model year with Tier II emission rates.

Each generator will have its own stack (Emission Points EPTG1, EPTG2, EPTG3 and EPTG4). The emissions of the four 2206 bhp-hr or 1500 Kilowatts electric rating Caterpillar CAT 3512C engines (Emission Sources ENG01, ENG02, ENG03 & ENG04) are exhausted through Emission Points EPTG1, EPTG2, EPTG3 and EPTG4; respectively.

Emission unit UB0001 - Emission Unit U-B0001 consists of a total of six (6) Victory Energy Voyager Series boilers. Boilers identified as Emission Sources BLR01, BLR02, BLR03 & BLR04 are identical and boilers identified as Emission Sources BLR05 & BLR06 are identical. All six boilers have corresponding Low NOX Burners (LNB) and flue gas recirculation (FGR) Emission Controls - BRLC1, BLRC2, BLRC3 BLRC4, BLRC5 & BLRC6; respectively to meet the NOx emission limit of 0.08 lb NOx per million BTU heat input for "midsize" boilers firing distillate oil or natural gas under 6 NYCRR 227-2.4(c).

BLR01, BLR02, BLR03 & BLR04 each have nominal rated heat input capacity of 60 MM Btu/hr and 50,000 pounds/hr of steam output. Boilers burn natural gas (Process G41) as the primary fuel, and #2 fuel oil (Process O41) as the back-up fuel

BLR05 & BLR06 each have nominal rated heat input capacity of 95 MM Btu/hr and 80,000 pounds/hr of steam output. Boilers burn natural gas (Process G65) as the primary fuel and #2 fuel oil (Process O65) as the back-up fuel.

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Emissions from all of the six boilers are exhausted through one common stack, identified as Emission Point B0001. All six boilers and their common stack (Emission Point B0001) are located in the Annenberg Building. The stack has a continuous opacity monitor (COMS).

The boiler plant design concept is the typical "N+1" for hospital facilities. The facility demand is met by BLR05 & BLR06 and three of the four, BLR01, BLR02, BLR03 & BLR04. The maximum total steam output from five of the six installed boilers is 310,000 lbs per hour and the corresponding maximum heat input is 370 MM Btu/hr.

Emission unit UB0001 is associated with the following emission points (EP):

B0001

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

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

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

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

Process: G65 is located at Basement, Building ANNENBERG - Process G65 is the firing of natural gas in the operation of the two identical boilers, Boilers # 5 & # 6 (Emission Sources BLR05 & BLR06) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC5 & BLRC6; respectively, in Emission Unit U-B0001. Emission Sources BLR05 & BLR06 are two identical Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each at 125 psig. The maximum total heat input from these two boilers is 190 MM BTU/hr.

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

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

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

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Process: O41 is located at Basement, Building ANNENBERG - Process O41 is the firing of #2 fuel oil (distillate oil) in the operation of the four identical boilers, Boilers # 1, #2, #3 & #4 (Emission Sources BLR01, BLR02, BLR03 & BLR04) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC1, BLRC2, BLRC3 & BLRC4; respectively, in Emission Unit U-B0001. Emission Sources BLR01, BLR02, BLR03 & BLR04 are four identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr. Distillate fuel oil has heat capacity of 140,000 Btu/gal.

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

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

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

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

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

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

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

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

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

Title V/Major Source Status

MOUNT SINAI HOSPITAL is subject to Title V requirements. This determination is based on the following information:

Mount Sinai Hospital is subject to Title V Requirements. This determination is based on the following information: The facility is major because the potential to emit (PTE) for Oxides of

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Nitrogen (NOx) and Carbon Monoxide (CO) exceeds the Title V applicability thresholds of 25 tons per year and 100 tons per year respectively.

Program Applicability

The following chart summarizes the applicability of MOUNT SINAI HOSPITAL with regards to the principal air pollution regulatory programs:

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

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52.21, 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

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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 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

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a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code	Description
1-02-005-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL 10-100MMBTU/HR **
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
1-03-005-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL 10-100MMBTU/HR **
2-02-001-02	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) Reciprocating

Facility Emissions Summary

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

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
0NY508-00-0	40 CFR 60 SUBPART IIII - NMHC + NOX	106660		21760	
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	733658000		294100429	
000630-08-0	CARBON MONOXIDE	334700		134173	
007439-92-1	LEAD	1.5		0.6	
0NY210-00-0	OXIDES OF NITROGEN	384301		98957	
0NY075-00-5	PM-10	83220		33362	
0NY075-02-5	PM-2.5	77380		31021	
007446-09-5	SULFUR DIOXIDE	6780		2715	

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ONY100-00-0	TOTAL HAP	6400	2568
ONY998-00-0	VOC	16112	6459

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)**
 The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

- Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**
 Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

- Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**
 Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**
 The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**
 This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
 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.

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

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

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

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

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

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

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

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

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

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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

(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;

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

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

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description

FACILITY	ECL 19-0301	44	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A	32	General provisions
FACILITY	40CFR 60-A.4	33	General provisions - Address
FACILITY	40CFR 60-IIII	34	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
FACILITY	40CFR 63-JJJJJJ	35	National Emission

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FACILITY	40CFR 63-ZZZZ	36, 37	Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
FACILITY	40CFR 68	17	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 82-F	18	Chemical accident prevention provisions
FACILITY	6NYCRR 200.6	1	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.7	9	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	45	Maintenance of equipment.
FACILITY	6NYCRR 201-1.7	10	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.8	11	Recycling and Salvage
FACILITY	6NYCRR 201-3.2 (a)	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.3 (a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-6	19, 38, 39	Trivial Activities - proof of eligibility
U-B0001/B0001	6NYCRR 201-6	41	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	14	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (8)	15	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (c)	3	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (d) (4)	20	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (f)	21	Compliance Certification
FACILITY	6NYCRR 201-6.4 (g)	22	Operational Flexibility
FACILITY	6NYCRR 202-1.1	16	Permit Shield
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FACILITY	6NYCRR 202-1.2	23	Notification.
FACILITY	6NYCRR 202-1.3	24	Acceptable procedures.
FACILITY	6NYCRR 202-2.4 (a) (3)	25	Emission statement methods and procedures
FACILITY	6NYCRR 202-2.5	7	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	46	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	26	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	8	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (d)	27	Sulfur-in-Fuel Limitation - Distillate Oil
FACILITY	6NYCRR 227-1.3 (a)	28	Particulate Emission Standards
FACILITY	6NYCRR 227-1.3 (c)	29	Annual Tune-up Requirement
U-B0001/B0001	6NYCRR 227-1.4 (a)	42	Opacity Standard
U--CDRP	6NYCRR 227-1.4 (a)	43	Opacity Standard
U-B0001	6NYCRR 227-2.4 (c) (1)	40	Emission limits.
FACILITY	6NYCRR 227-2.5 (c)	30	Alternative RACT option.
FACILITY	6NYCRR 231-6.2	31	Netting
FACILITY	6NYCRR 253-1.4	47	Greenhouse Gas Reporting Requirements
FACILITY	6NYCRR 253-1.7	48	Record Keeping

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.

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6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

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

6 NYCRR 201-3.3 (a)

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

6 NYCRR Subpart 201-6

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

6 NYCRR 201-6.4 (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,

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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.

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 202-2.5

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

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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.

Facility Specific Requirements

In addition to Title V, MOUNT SINAI HOSPITAL has been determined to be subject to the following regulations:

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 Part 60, Subpart A

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

40 CFR Part 60, Subpart IIII

Subpart IIII applies to new and reconstructed compression ignition reciprocating internal combustion engines. Sources subject to Subpart IIII must comply with emission standards for hydrocarbons, nitrogen oxides, carbon monoxide, and particulate matter.

40 CFR Part 63, Subpart JJJJJ

This regulation covers facilities that own or operate an industrial, commercial, or institutional boiler as defined in §63.11237 that is located at, or is part of, an area source of hazardous air pollutants (HAP), as defined in §63.2, except as specified in §63.11195.

40 CFR Part 63, Subpart ZZZZ

Subpart ZZZZ applies to reciprocating internal combustion engines. Sources subject to Subpart ZZZZ must limit emissions of carbon monoxide and formaldehyde. Sources must also comply with work practice standards and operating limits.

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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.

The facility elected to limit their hours of operation on four (4) CAT3512C engines to 200 hours to avoid New Source Review applicability.

6 NYCRR 202-1.2

This regulation specifies that the department is to be notified at least 30 days in advance of any required stack test. The notification is to include a list of the procedures to be used that are acceptable to the department. Finally, free access to observe the stack test is to be provided to the department's representative.

6 NYCRR 202-1.3

This regulation requires that any emission testing, sampling and analytical determination used to determine compliance must use methods acceptable to the department. Acceptable test methods may include but are not limited to the reference methods found in 40 CFR Part 60 appendix A and Part 61, appendix B. Alternate methods may be also be used provided they are determined to be acceptable by the department. Finally, unless otherwise specified, all emission test reports must be submitted within 60 days after completion of testing.

6 NYCRR 202-2.4 (a) (3)

Once a facility is required to submit annual emission statements electronically, emission statements must be submitted to the department per the specified schedule, in this regulation beginning the reporting year that a Title V permit containing a condition mandating electronic submittal is issued.

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 227-1.3 (a)

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

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installations.

6 NYCRR 227-1.3 (c)

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

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 NO_x RACT emission limits for mid-size boilers.

6 NYCRR 227-2.5 (c)

This provision allows the owner or operator to demonstrate that the applicable presumptive RACT emission limit in section 227-2.4 of this Subpart is not economically or technically feasible. Based on this determination the Department is allowed to set a higher emission source specific emission limit.

6 NYCRR 231-6.2

This section establishes the requirements for performing a netting analysis.

6 NYCRR 253-1.4

This Section requires facilities to submit greenhouse gas emissions data reports electronically, to the Department, on an annual basis. The reports are due June 1st of each year the source(s) is/are applicable to the regulation.

6 NYCRR 253-1.7

This Section requires the type and duration of records that the facility must maintain.

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Compliance Certification

Summary of monitoring activities at MOUNT SINAI HOSPITAL:

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

FACILITY	34	record keeping/maintenance procedures
U-B0001/B0001	41	monitoring of process or control device parameters as surrogate
FACILITY	4	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	27	work practice involving specific operations
FACILITY	28	record keeping/maintenance procedures
FACILITY	29	record keeping/maintenance procedures
U-B0001/B0001	42	monitoring of process or control device parameters as surrogate
U--CDRP	43	monitoring of process or control device parameters as surrogate
U-B0001	40	intermittent emission testing
FACILITY	30	intermittent emission testing
FACILITY	31	work practice involving specific operations
FACILITY	47	record keeping/maintenance procedures
FACILITY	48	record keeping/maintenance procedures

Basis for Monitoring

6 NYCRR Part 201-6: This monitoring conditions limits Emission Unit UB00001 to emitting no more than 141,800 pounds of NOx per year on a rolling 12-month basis. Emission Unit UB00001 consists of 6 mid-sized boilers that were installed during a previous renewal (Ren 2 Mod 0) of this Title V permit, issued 5/13/14. This limit is to avoid any New Source Review requirements for major modifications that were applicable at the time.

6 NYCRR 202-2.1: This is a facility-wide recordkeeping/maintenance procedures condition. This condition sets forth the applicability criteria for submitting an annual statement of emissions. The criteria are based on annual emission threshold quantities and ozone attainment designation.

6 NYCRR 225-1.2(d): This is a facility-wide Work Practice Involving Specific Operations condition which limits sulfur content in distillate fuel oil. Any distillate oil fired is limited to 0.0015 percent sulfur content by weight. Compliance with this limit is based on vendor certification. This requirement is more stringent than sulfur dioxide standard (0.5 weight percent sulfur verified by fuel supplier certification) required under 40 CFR 60 Subpart DC. Therefore, requirements under 40 CFR 60 Subpart DC are not cited in this permit.

6 NYCRR 227-1.3(c): This is monitoring condition requires the facility to perform an annual tune-up on each emission source subject to 6 NYCRR 227-1. Records of each tune-up shall, at

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minimum, include the date the tune-up occurred and the details of the tune-up procedure. Records shall be maintained for a minimum of five years.

6 NYCRR 227-1.4(a): These monitoring conditions limits opacity level of visible emissions from the facility. Opacity is limited to 20 percent on a six-minute average, except for one six-minute period per hour of not more than 27 percent opacity.

Opacity on visible emissions emitted from Emission Unit U-B0001 through Emission Point B0001 is monitored continuously through using Continuous Opacity Monitoring System (COMS). The facility owner or operator shall operate and maintain in accord with manufacturer's specification, a COMS satisfying the criteria of Appendix B of 40 CFR Part 60. These conditions also satisfy the monitoring opacity monitoring requirements of 40 CFR 60 Subpart Dc thus opacity monitoring requirements under 40 CFR 60 Subpart DC are not cited in this permit.

6 NYCRR 227-2.4(c)(1): This monitoring condition limits the facility to an emission limit of 0.08 pounds NO_x per million Btus when firing distillate oil or gas in mid-size boilers. The facility must perform stack test once every five (5) years on mid-size boilers subject to this regulation to ensure compliance with the emission limit.

6 NYCRR 227-2.5(c): This monitoring condition limits the facility's four (4) Caterpillar Model 3512C engines to an emission limit of 4.54 grams of NO_x per brake horsepower-hour. Analysis conducted by the facility and reviewed by the Department determined that it is financially prohibitive for these engines to be retrofitted to meet the presumptive RACT limit. Based on the analysis, an alternative NO_x RACT limit of 4.54 grams of NO_x per brake horsepower-hour is granted for these engines until September 30, 2026. This will allow the engines to participate in coordinate demand response programs. After September 30, 2026, alternative NO_x RACT variance is considered expired, and these engines will be emergency operation only and no longer permitted to participate in demand response operation.

6 NYCRR Part 231-6.2: This monitoring condition limits the facility to operating four (4) CAT3512C for no more than 200 hours per year per engine. As part of the previous permit renewal, analysis was conducted to determine if installation of these engines is subject to 6 NYCRR Part 231 New Source Review (NSR). It was determined that limiting the new engines to 200 hours of operation per year per engine would result in a Project Emission Potential of 10.65 tons NO_x per year which greater than the Significant Project Threshold of 2.5 tons NO_x per year and below the Significant Net Emission Increase threshold of 25 tons NO_x per year and thus the facility is able to net out of a NSR major modification.

40 CFR Part 60, Subpart IIII: These monitoring conditions require the facility to comply with federal regulations regulating stationary compression ignition internal combustion engines. The facility's four (4) Caterpillar 3512C engines are certified by EPA to Tier 2 emissions standards and for emergency use only. Emergency engines under NSPS IIII may be operated for maintenance checks and readiness testing for up to 100 hour per calendar year. Emergency engines under NSPS III may also be operated for up to 50 hours per calendar year in non-

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emergency situations. The 50 hours per year for non-emergency situations can be used to supply power as part of coordinate demand response program if conditions are met.

Under this permit and state regulation, these engines are permitted emission sources and are permitted for coordinate demand response and not considered emergency use only engines. After the expiration of alternative NO_x RACT variance on September 30, 2026, engines are emergency use only.

40 CFR 63 Subpart ZZZZ: The facility is subject to this federal requirement due to operating a stationary reciprocating internal combustion engine at a major source or area source of hazardous air pollutants (HAP) emissions. Internal combustion engines, constructed or re-constructed on or after June 12, 2006 that meet the requirements of 40 CFR 60 Subpart IIII also meet the requirements of 40 CFR 63 Subpart ZZZZ.

40 CFR 63 Subpart JJJJJ: This federal requirement is applicable to facilities operating an industrial, commercial, or institutional boiler located at an area source of hazardous air pollutant (HAP) emissions. The facility's boilers only fire distillate oil as back-up fuel and is considered a "gas-fired" boiler and exempt from the requirements of 40 CFR 63 Subpart JJJJJ.

40 CFR 60 Subpart Dc.42c: This federal regulation limits sulfur content in distillate fuel oil to 0.50 percent by weight. This requirement is less stringent than state regulation under 6 NYCRR 225-1.2(d) and therefore excluded from this permit.