



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

Facility Identification Data

Name: MAIMONIDES MEDICAL CENTER

Address: 4802 TENTH AVE

BROOKLYN, NY 11219

Owner/Firm

Name: MAIMONIDES MEDICAL CENTER

Address: 48-02 TENTH AVENUE

BROOKLYN, NY 11219-2916, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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48-02 TENTH AVE

BROOKLYN, NY 11219

Phone:7182837678

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.

The facility has de-rated the 25.2 MM Btu/hr Orr-Seambower boiler (Emission Source S00002 in Emission



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

**Permit ID: 2-6103-00760/00002
Renewal Number: 3
10/06/2016**

Unit U-00001) to 24.9 MM Btu/hr. This de-rating re-defines this boiler as "small boiler" (a boiler with a maximum heat input capacity equal to or greater than one million Btu per hour and equal to or less than 25 million Btu per hour). This boiler is subject to the NOx RACT requirement of 6 NYCRR 227-2.4 (d), which is the annual tune-up in accordance with the requirements of the DAR-5 guidance document and maintain the data in a permanently bound log book. This small boiler is no longer subject to the NOx RACT stack testing of 6 NYCRR 227-2.4 (c).

Attainment Status

MAIMONIDES MEDICAL CENTER is located in the town of BROOKLYN in the county of KINGS. 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:

Maimonides Medical Center (MMC) is a Title V facility, operating the following three boilers:

1. One 24.9 MM BTU/hr Orr-Seambower boiler, firing both natural gas and # 2 fuel oil (Emission Source S0002)
2. One 50 MM BTU/hr Babcock & Wilcox boiler, firing both natural gas and # 2 fuel oil (Emission Source S0003)
3. One 32.6 MM BTU/hr Nebraska boiler, firing both natural gas and # 2 fuel oil (Emission Source S0008)

The facility operates other emission sources at this major facility which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including two (2) boilers (<1 MM BTU/hr), six (6) emergency power generators (<500 hours/yr), sixteen (16) fuel oil storage tanks (<300,000 bbls), one (1) screen printing inks/coatings or adhesives (print shop) and two (2) laboratory fume hoods.

Permit Structure and Description of Operations

The Title V permit for MAIMONIDES MEDICAL CENTER 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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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.

MAIMONIDES MEDICAL CENTER is defined by the following emission unit(s):

Emission unit U00001 - Emission Unit U-00001 consists of three boilers: one 24.9 MM Btu/hr Powermaster/ Orr- Seambower (Emission Source S0002), one 50 MM Btu/hr Babcock & Wilcox (Emission Source S0003), and a 32.6 MM Btu/hr Nebraska (Emission Source S0008). All three boilers are capable of firing # 2 fuel oil (Process OL2) and natural gas (Process BNG). Natural gas will continue to remain as the primary fuel. In the event of natural gas shortage, more fuel oil will be used, and vice versa. Flue gas from all three boilers will exhaust through the existing common stack (Emission Point E0001).

The conversion project from # 6 fuel oil to #2 fuel oil will be finished by July 31, 2016.

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

E0001

Process: BNG is located at BASEMENT, Building 0000000001 - Process BNG is when the three boilers; the 24.9 MM Btu/hr Powermaster/ Orr-Seambower (Emission Source S0002), the 50 MM Btu/hr Babcock & Wilcox (Emission Source S0003), and the 32.6 MM Btu/hr Nebraska (Emission Source S0008) in Emission Unit U-00001 fire natural gas (Process BNG) and #2 fuel oil (Process OL2). Natural gas will continue to remain as the primary fuel. In the event of natural gas shortage, more fuel oil will be used, and vice versa.

Flue gas from all three boilers will exhaust through the existing common stack (Emission Point E0001).

The conversion project from # 6 fuel oil to #2 fuel oil will be finished by July 31, 2016.

Process: OL2 is located at Building 0000000001 - Process OL2 is when the three boilers; the 24.9 MM Btu/hr Powermaster/ Orr-Seambower (Emission Source S0002), the 50 MM Btu/hr Babcock & Wilcox (Emission Source S0003), and the 32.6 MM Btu/hr Nebraska (Emission Source S0008) in Emission Unit U-00001 fire # 2 fuel oil.

All three boilers are capable of firing # 2 fuel oil (Process OL2) and natural gas (Process BNG). Natural gas will continue to remain as the primary fuel. In the event of natural gas shortage, more fuel oil will be used, and vice versa. Flue gas from all three boilers will exhaust through the existing common stack
Process OL2 is replacing #6 fuel oil (Process BOI). The three boilers have been operating on natural gas only since 1/31/2013 because Process BOI has ended on 1/31/2013. Process OL2 will begin as soon as the



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

conversion to # 2 fuel oil is complete (by July 31, 2016). After the conversion to # 2 fuel oil is complete, the hospital will perform the emission testing on natural gas (Process BNG) and # 2 fuel oil (Process OL2).

The conversion project from # 6 fuel oil to #2 fuel oil will be finished by July 31, 2016.

Title V/Major Source Status

MAIMONIDES MEDICAL CENTER is subject to Title V requirements. This determination is based on the following information:

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

Program Applicability

The following chart summarizes the applicability of MAIMONIDES MEDICAL CENTER with regards to the principal air pollution regulatory programs:

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



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 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



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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
1-03-004-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - RESIDUAL OIL 10-100MMBTU/HR **
1-03-006-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS 10-100 MMBtu/Hr

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount of 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
007440-38-2	ARSENIC	3.777312		1.624	
007440-41-7	BERYLLIUM	2.832984		1.218	
007440-43-9	CADMIUM	2.832984		1.218	
000630-08-0	CARBON MONOXIDE	105709.9329		48572.14	
007439-92-1	LEAD	8.498952		3.654	
007439-96-5	MANGANESE	5.665968		2.436	
007439-97-6	MERCURY	2.832984		1.218	
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	2.832984		1.218	
0NY210-00-0	OXIDES OF NITROGEN	217490.1722		100780.8	
0NY075-00-0	PARTICULATES	17020.10732		8906.136	
0NY075-00-5	PM-10	17020.10732		8906.136	
007446-09-5	SULFUR DIOXIDE	5925.718291		1059.744	
0NY998-00-0	VOC	7874.686587		3006.68	



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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

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

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

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

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

Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR 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 D: 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,



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 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 G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR 201-6.4(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: 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 J: 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;



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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

Item K: Reopening for Cause - 6 NYCRR Part 201-6.4(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 procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

Item L: Permit Exclusion - ECL 19-0305

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



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

under the Clean Air Act brought by the United States or any person.

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	77	Powers and Duties of the Department with respect to air pollution control
U-00001/E0001/OL2/S0003	40CFR 60-A	41	General provisions
U-00001/E0001/OL2/S0008	40CFR 60-A	59	General provisions
FACILITY	40CFR 60-A.4	34	General provisions - Address
U-00001/E0001/OL2/S0003	40CFR 60-Dc.40c	42, 43	Steam generators 10-100 million Btu per hour
U-00001/E0001/OL2/S0008	40CFR 60-Dc.40c	60, 61	Steam generators 10-100 million Btu per hour
U-00001/E0001/OL2/S0003	40CFR 60-Dc.42c(d)	44	Standard for Sulfur Dioxide Firing Oil. (see narrative)
U-00001/E0001/OL2/S0008	40CFR 60-Dc.42c(d)	62	Standard for Sulfur Dioxide Firing Oil.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

U- 00001/E0001/OL2/S0003	40CFR 60-Dc.42c(h)	45	(see narrative) Exemption from Averaging Requirements
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.42c(h)	63	Exemption from Averaging Requirements
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.42c(i)	46	Standard for Sulfur Dioxide Period of Requirements.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.42c(i)	64	Standard for Sulfur Dioxide Period of Requirements.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.43c(c)	47	Standard for Opacity.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.43c(c)	65	Standard for Opacity.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.46c(d)(2)	48	Alternative sulfur dioxide emissions monitoring.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.46c(d)(2)	66	Alternative sulfur dioxide emissions monitoring.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.46c(e)	49	Exemption from Emission Monitoring for Sulfur Dioxide.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.46c(e)	67	Exemption from Emission Monitoring for Sulfur Dioxide.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.47c	50	Emission Monitoring for Particulate Matter.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.47c	68	Emission Monitoring for Particulate Matter.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(d)	51	Reporting and Recordkeeping Requirements.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(d)	69	Reporting and Recordkeeping Requirements.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(e)(1)	52	
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(e)(1)	70	
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(e)(2)	53	
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(e)(2)	71	
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(e)(3)	54	
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(e)(3)	72	
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(e)(4)	55	
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(e)(4)	73	
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(e)(7)	56	
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(e)(7)	74	
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(g)	57	Reporting and Recordkeeping Requirements.



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(g)	75	Reporting and Recordkeeping Requirements.
U- 00001/E0001/OL2/S0003	40CFR 60-Dc.48c(i)	58	Reporting and Recordkeeping Requirements.
U- 00001/E0001/OL2/S0008	40CFR 60-Dc.48c(i)	76	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-IIII	35	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
FACILITY	40CFR 63-ZZZZ	36	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 82-F	21	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	78	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	22, 37, 38	Title V Permits and the Associated Permit Conditions
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	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4(c)(2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(3)(ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	23	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance



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

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

FACILITY	6NYCRR 201-6.4(f)(6)	18	Certification
FACILITY	6NYCRR 202-1.1	19	Off Permit Changes Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	24	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	79	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2(f)	25	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.2(g)	26	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.2(h)	27	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.6	28	Reports, Sampling, and Analysis
U-00001/E0001/OL2/S0002	6NYCRR 227.2(b)(1)	40	Particulate emissions.
U-00001/E0001	6NYCRR 227-1.3(a)	39	Smoke Emission Limitations.
FACILITY	6NYCRR 227-2.4(c)(1)(ii)	29	2010 NOx RACT presumptive limit.
FACILITY	6NYCRR 227-2.4(d)	30	Small boilers, small combustion turbines, and small stationary internal combustion engines.
FACILITY	6NYCRR 227-2.5(a)	31	Fuel switching option.
FACILITY	6NYCRR 227-2.6(a)	32	Applicable testing and/or monitoring requirements.
FACILITY	6NYCRR 227-2.6(c)	33	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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

6 NYCRR 201-1.4

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

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

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

6 NYCRR 201-3.3 (a)

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

6 NYCRR Subpart 201-6

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

6 NYCRR 201-6.4 (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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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.

6 NYCRR 201-6.4 (d) (5)

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

6 NYCRR 201-6.4 (e)

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

6 NYCRR 201-6.4 (f) (6)

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

6 NYCRR 202-1.1

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

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

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.

Facility Specific Requirements

In addition to Title V, MAIMONIDES MEDICAL CENTER 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 60.40c

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

40 CFR 60.42c (d)

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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

40 CFR 60.42c (i)

This regulation requires that the sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations apply at all times, including periods of startup, shutdown, and malfunction.

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 60.46c (d) (2)

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

40 CFR 60.46c (e)

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

40 CFR 60.47c

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

40 CFR 60.48c (d)

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

40 CFR 60.48c (e) (1)

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

40 CFR 60.48c (e) (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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

40 CFR 60.48c (e) (4)

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

40 CFR 60.48c (e) (7)

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

40 CFR 60.48c (g)

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

40 CFR 60.48c (i)

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 Part 60, Subpart A

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

40 CFR Part 60, Subpart IIII

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

40 CFR Part 63, Subpart ZZZZ

This requirement is for internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

6 NYCRR 225-1.2 (f)

Sulfur-in-fuel limitations for the purchase of #2 heating oil on or after July 1, 2012.

6 NYCRR 225-1.2 (g)

Sulfur-in-fuel limitations for the purchase of distillate oil on or after July 1, 2014.

6 NYCRR 225-1.2 (h)

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

6 NYCRR 225-1.6

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

6 NYCRR 227.2 (b) (1)

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

6 NYCRR 227-1.3 (a)

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

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

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

6 NYCRR 227-2.4 (d)

This section includes NOx RACT requirements for small boilers, small combustion turbines, and small stationary internal combustion engines.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

6 NYCRR 227-2.5 (a)

Fuel switching NOx RACT compliance option.

6 NYCRR 227-2.6 (a)

Applicable testing and/or monitoring requirements for emission sources subject to NOx RACT.

6 NYCRR 227-2.6 (c)

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

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

Compliance Certification

Summary of monitoring activities at MAIMONIDES MEDICAL CENTER:

Location	Cond No.	Type of Monitoring
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New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

Facility/EU/EP/Process/ES

U-00001/E0001/OL2/S0003	43	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	61	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	44	work practice involving specific operations
U-00001/E0001/OL2/S0008	62	work practice involving specific operations
U-00001/E0001/OL2/S0003	47	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0008	65	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0003	48	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0008	66	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0003	50	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0008	68	monitoring of process or control device parameters as surrogate
U-00001/E0001/OL2/S0003	51	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	69	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	52	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	70	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	53	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	71	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	54	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	72	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	55	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	73	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	56	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	74	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	57	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	75	record keeping/maintenance procedures
U-00001/E0001/OL2/S0003	58	record keeping/maintenance procedures
U-00001/E0001/OL2/S0008	76	record keeping/maintenance procedures
FACILITY	14	work practice involving specific operations
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	25	work practice involving specific operations
FACILITY	26	work practice involving specific operations
FACILITY	27	work practice involving specific operations
FACILITY	28	record keeping/maintenance procedures
U-00001/E0001/OL2/S0002	40	intermittent emission testing
U-00001/E0001	39	monitoring of process or control device parameters as surrogate
FACILITY	29	intermittent emission testing
FACILITY	30	record keeping/maintenance procedures
FACILITY	31	intermittent emission testing
FACILITY	32	record keeping/maintenance procedures
FACILITY	33	intermittent emission testing

Basis for Monitoring

This facility is subject to the requirements of Title V. The facility is required, under the provisions of 6 NYCRR Subpart 201-6, to submit semiannual compliance reports and an annual Compliance Certification. 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 the hours per year



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

for the exempt emergency generators. As a 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 # 25 for 6 NYCRR 225-1.2 (f): This is a facility-wide condition. This is a facility-wide Work Practice Involving Specific Operations condition for Sulfur content in the # 2 heating fuel oil. The # 2 heating fuel oil purchase is limited to 0.0015 percent sulfur by weight on or after July 1, 2012. Compliance with this limit will be based on vendor certifications.

Condition # 26 for 6 NYCRR 225-1.2 (g): This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations condition for Sulfur content in the distillate fuel oil. The distillate fuel oil purchase is limited to 0.0015 percent sulfur by weight on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Condition # 27 for 6 NYCRR 225-1.2 (h): This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations condition for Sulfur content in the distillate fuel oil. The distillate fuel oil firing is limited to 0.0015 percent sulfur by weight on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Condition # 29 for 6 NYCRR 227-2.4 (c) (1) (ii): This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to Emission Unit: U-00001, Emission Point: 00001, Processes BNG & OL2, and Emission Sources/Controls: S0003 & S0008 for Intermittent Emission Testing for Oxides of Nitrogen.

The facility is required to perform testing the two mid-size boilers (Emission Sources S0003 & S0008 - the 50 MM Btu Babcock & Wilcox/FM10-52 and the 32.6 MM Btu/hr Nebraska – NS-8-46 boilers; respectively) to verify the NO_x emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All three boilers operate on #2 fuel oil (Process OL2) and on natural gas (Process BNG).

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on residual oil/natural gas have a limit of 0.20 pounds of NO_x per million Btus under the fuel switching NO_x RACT compliance option condition (Condition #31 for 6 NYCRR 227-2.5 (a)) and not the 0.08 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

Condition # 31 for 6 NYCRR 227-2.5 (a): This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to Emission Unit: U-00001, Emission Point: 00001, Processes BNG & OL2,



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

and Emission Sources/Controls: S0003 & S0008 for Intermittent Emission Testing for Oxides of Nitrogen.

The facility is required to perform testing the three mid-size boilers (Emission Sources S0003 & S0008 - the 50 MM Btu Babcock & Wilcox/FM10-52 and the 32.6 MM Btu/hr Nebraska – NS-8-46 boilers; respectively) to verify the NOx emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. These two boilers operate on #2 fuel oil (Process OL2) and on natural gas (Process BNG).

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on residual oil/natural gas have a limit of 0.20 pounds of NOx per million Btus under the fuel switching NOx RACT compliance option condition (Condition #31 for 6 NYCRR 227-2.5 (a)) and not the 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers (Condition # 29 for 6 NYCRR 227-2.4 (c) (1) (ii)).

Condition # 33 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 Emission Unit: U-00001, Emission Point: 00001, Processes BNG & OL2, and Emission Sources/Controls: S0003 & S0008 for Intermittent Emission Testing for Oxides of Nitrogen.

The NOx upper limit is 0.20 pounds per million Btus on or after July 1, 2014 for the three mid-size boilers (Emission Sources S0003 & S0008 - the 50 MM Btu Babcock & Wilcox/FM10-52 and the 32.6 MM Btu/hr Nebraska – NS-8-46 boilers (Emission Sources S0003 & S0008; respectively).

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

- (1) Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

(i) For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on residual oil/natural gas have a limit of 0.20 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

Condition # 39 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level Monitoring of Process or Control Device Parameters as Surrogate condition for Particulates and opacity that applies to EU: U-00001 and EP: E0001. This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20 % opacity except for one six-minute period per hour of not more than 27 % opacity. These conditions require a daily inspection for visible emissions. If visible emissions are noted for two consecutive days, a Method 9 test must be performed.

Condition # 40 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level and process level Intermittent Emission Testing condition for Particulates that applies to EU: U-00001 and Proc: OL2. This condition 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 lbs/MMBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition # 44 for 40 CFR 60.42c(d), NSPS Subpart Dc: This condition is an emission unit level, process level and emission source level Work Practice Involving Specific Operations condition for Sulfur Dioxide that applies to EU: U-00001, Proc: OL2 and ES: S0003. 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 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.

Condition # 47 for 40 CFR 60.43c(c), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source level monitoring condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0003. This condition requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

Condition # 48 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 level condition for Monitoring of Process or Control Device Parameters as Surrogate for Sulfur Dioxide that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0003. This condition allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device.

Condition # 50 for 40 CFR 60.47c, NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for Opacity that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0003.

This condition requires that all continuous emissions monitors measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60. Emission Source S0003 (50 MM Btu/hr Babcock & Wilcox boiler) is required to comply with the 20% continuous opacity limit.

Condition # 62 for 40 CFR 60.42c(d), NSPS Subpart Dc: This condition is an emission unit level, process level and emission source level Work Practice Involving Specific Operations condition for Sulfur Dioxide that applies to EU: U-00001, Proc: OL2 and ES: S0008. 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 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.

Condition # 65 for 40 CFR 60.43c(c), NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source level monitoring condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0008. This condition requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

Condition # 66 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 level condition for Monitoring of Process or Control Device Parameters as Surrogate for



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6103-00760/00002

Renewal Number: 3

10/06/2016

Sulfur Dioxide that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0008. This condition allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device.

Condition # 68 for 40 CFR 60.47c, NSPS Subpart Dc: This condition is an emission unit level, emission point level, process level and emission source level condition for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for Opacity that applies to EU: U-00001, EP: E0001, Proc: OL2 and ES: S0008.

This condition requires that all continuous emissions monitors measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60. Emission Source S0003 (50 MM Btu/hr Babcock & Wilcox boiler) is required to comply with the 20% continuous opacity limit.