

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Facility Identification Data

Name: BRONX LEBANON HOSPITAL CTR
Address: 1276 FULTON AVE
City: BRONX
Zip: 10456

Owner/Firm

Name: BRONX LEBANON HOSPITAL CENTER
City: BRONX
State: NY Country: USA Zip: 10456
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
Name: ELIZABETH A. CLARKE
Address: ONE HUNTERS POINT PLAZA
47-40 21ST ST

Division of Air Resources:
Name: DIANA MENASHA
Address: NYSDEC REGION 2 OFFICE
HUNTERS POINT PLAZA
Phone:7184827263

Air Permitting Contact:
Name: ROBERT W. UNDERWOOD
Address: BRONX-LEBANON HOSPITAL CENTER
1650 SELWYN AVENUE
Phone:7189601340

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)(2) 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 while the permit review report is based on information found in the accompanying permit, it is not an enforceable document and therefore, has no legal standing.

Summary Description of Proposed Project

This facility is a hospital which provides healthcare. It is a non-profit organization. The facility is located at 1276 Fulton Avenue and 1257 & 1263 Franklin Avenue as one contiguous facility. There are eight (8) boilers that provide heat and hot water in the two buildings, the Franklin Building and the

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Fulton Building . The steam in the Franklin Building is produced by three (3) boilers operating on dual fuel, natural gas and number 2 fuel oil. Natural gas is the primary fuel, number 2 fuel oil acts as a back up fuel fired during natural gas interruptions. The three boilers are 10.5 MM Btu/hr each Cleaver Brooks Model CB 200-250 steam boilers and will be constructed upon the issuance of this Title V permit. Each of these three boilers will be individually ducted ; will have its own emission point. On the other hand, the steam in the Fulton Building is produced by two (2) 12.5 MM Btu/hr boilers operating on dual fuel, natural gas and number 2 fuel oil. Number 2 fuel oil is the primary fuel and natural gas acts as a back up fuel. The boilers are 12.5 MM Btu/hr each low pressure Cleaver Brooks Model CB 200-300-15 and were constructed in 1998. In the Fulton Building, in addition to the two (2) 12.5 MM Btu/hr boilers, there are three (3) 0.42 MM Btu/hr each high pressure automatic steam boilers that were installed in 1998 and will operate only on natural gas and are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c). The emissions from all of the five (5) boilers at the Fulton Building share one common stack, Emission Point FT000.

Attainment Status

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

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

Bronx Lebanon Hospital Center operates boilers which supply steam for the space heating of the two buildings, the Franklin Building and the Fulton Building . The steam in the Franklin Building is produced by three (3) boilers (Emission Sources FR001, FR002 & FR003) operating on dual fuel, natural gas and number 2 fuel oil. Natural gas is the primary fuel, #2 fuel oil acts as a back up fuel fired during natural gas interruptions. The boilers associated with Emission Sources FR001, FR002 & FR003 are

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



10.5 MM Btu/hr low pressure each Cleaver Brooks Model CB 200-250 steam boilers and will be constructed upon the issuance of this Title V permit (1/2002). Each of the three boilers at the Franklin Building has its own emission unit, Emission Unit U-FR001 for Emission Source FR001, Emission Unit U-FR002 for Emission Source U-FR002 and Emission Unit U-FR003 for Emission Source FR003. Process FR1 represents the operation of the first 10.5 MM Btu/hr boiler associated with Emission Source FR001 (primarily on natural gas), Process FR2 represents the operation of the second 10.5 MM Btu/hr boiler associated with Emission Source FR002 (primarily on natural gas) and Process FR3 represents the operation of the third 10.5 MM Btu/hr boiler associated with Emission Source FR003 (primarily on natural gas). Emissions from these three (3) boilers are exhausted through three (3) separate stacks which are identified as Emission Points FR001, FR002 & FR003 for Emission Sources FR001, FR002 & FR003 respectively. On the other hand, the steam in the Fulton Building is produced by two (2) boilers (Emission Sources FT001 & FT002) operating on dual fuel, natural gas and number 2 fuel oil. Number 2 fuel oil is the primary fuel and natural gas is the secondary fuel. The boilers associated with Emission Sources FT001 & FT002 are 12.5 MM Btu/hr each low pressure Cleaver Brooks Model CB 200-300-15 and were constructed in 1998. Process FT1 represents the operation of the first 12.5 MM Btu/hr boiler associated with emission source FT001 (primarily on number 2 fuel oil) and Process FT2 represents the operation of the second 12.5 MM Btu/hr boiler associated with Emission Source FT002 (primarily on number 2 fuel oil). In the Fulton Building, in addition to the two (2) 12.5 MM Btu/hr boilers, there are three (3) 0.42 MM Btu/hr each high pressure automatic steam boilers (Emission Sources FT003, FT004 & FT005) that were installed in 1998 and will operate only on natural gas (Processes FT3, FT4 & FT4) and are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c). The emissions from all of the five (5) boilers at the Fulton Building are exhausted through one common stack which is identified.

Permit Structure and Description of Operations

The Title V permit for BRONX LEBANON HOSPITAL CTR 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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

BRONX LEBANON HOSPITAL CTR is defined by the following emission unit(s):

Emission unit UFR002 - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK- UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR002.

Emission unit UFR002 is associated with the following emission points (EP):
FR002

It is further defined by the following process(es):

Process: FR2 is located at BASEMENT, Building FRANKLIN - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER HAS AN EMISSION SOURCE UNIT ID OF FR002. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK- UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR002. PROCESS EMISSIONS SUMMARIES REFLECT WORST-CASE SCENARIO EMISSIONS FROM FR002.

Emission unit UFR003 - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK- UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR003.

Emission unit UFR003 is associated with the following emission points (EP):
FR003

It is further defined by the following process(es):

Process: FR3 is located at BASEMENT, Building FRANKLIN - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER HAS AN EMISSION SOURCE UNIT ID OF FR003. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK- UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR003. PROCESS EMISSIONS SUMMARIES REFLECT WORST-CASE SCENARIO EMISSIONS FROM FR003.

Emission unit UFT000 - TWO (2) 12.5 MM BTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-300-15 BOILERS AND THREE (3) 0.42 MM BTU/HR HIGH PRESSURE PACKAGED AUTOMATIC STEAM BOILERS. THE EMISSIONS FROM THESE FIVE (5) BOILERS ARE ALL DUCTED TO ONE STACK (EMISSION POINT FT000). THE PRIMARY

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



FUEL FOR THE LOW PRESSURE BOILERS IS NUMBER 2 FUEL OIL AND THE SECONDARY FUEL IS NATURAL GAS. THE TWO (2) 12.5 MM BTU/HR BOILERS AND THE THREE (3) 0.42 MM BTU/HR BOILERS WERE INSTALLED IN 1998. THE THREE (3) 0.42 MM BTU/HR EACH HIGH PRESSURE BOILERS WILL OPERATE ONLY ON NATURAL GAS AND ARE CONSIDERED EXEMPT FROM PERMITTING IN ACCORDANCE WITH 6NYCRR 201-3.2(c).

Emission unit UFT000 is associated with the following emission points (EP):
FT000

It is further defined by the following process(es):

Process: FT1 is located at BASEMENT, Building FULTON - ONE (1) 12.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS, MODEL CB 200-300-15 INSTALLED IN THE NEW BOILER ROOM IN 1998. ALL EMISSION UNIT U-FT000 SOURCES ARE DUCTED TO A COMMON STACK, EMISSION POINT FT000.

THIS 12.5 MMBTU/HR BOILER THAT HAS AN EMISSION SOURCE/CONTROL UNIT ID OF FT001 AND OPERATES ON NUMBER 2 FUEL OIL AS THE PRIMARY FUEL AND NATURAL GAS AS THE SECONDARY FUEL. PROCESS EMISSIONS SUMMARY REFLECTS WORST-CASE SCENARIO EMISSIONS FROM FT001 ONLY.

EMISSION UNIT EMISSIONS SUMMARY REFLECTS EMISSIONS FROM ALL FIVE EMISSION SOURCES (TWO 12.5 MMBTU/HR AND THREE 0.42 MMBTU/HR BOILERS - EMISSION SOURCES FT001, FT002, FT003, FT004 & FT005) IN EMISSION UNIT U-FT000.

Process: FT2 is located at BOILER ROOM, Building FULTON - ONE (1) 12.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS, MODEL CB 200-300-15 INSTALLED IN THE NEW BOILER ROOM IN 1998. ALL EMISSION UNIT U-FT000 SOURCES ARE DUCTED TO A COMMON STACK, EMISSION POINT FT000.

THIS 12.5 MMBTU/HR BOILER THAT HAS AN EMISSION SOURCE/CONTROL UNIT ID OF FT002 AND OPERATES ON NUMBER 2 FUEL OIL AS THE PRIMARY FUEL AND NATURAL GAS AS THE SECONDARY FUEL. PROCESS EMISSIONS SUMMARY REFLECTS WORST-CASE SCENARIO EMISSIONS FROM FT002 ONLY.

EMISSION UNIT EMISSIONS SUMMARY REFLECTS EMISSIONS FROM ALL FIVE EMISSION SOURCES (TWO 12.5 MMBTU/HR AND THREE 0.42 MMBTU/HR BOILERS - EMISSION SOURCES FT001, FT002, FT003, FT004 & FT005) IN EMISSION UNIT U-FT000.

Process: FT3 is located at BOILER ROOM, Building FULTON - ONE (1) 0.42 MMBTU/HR HIGH PRESSURE, PACKAGED AUTOMATIC STEAM BOILER TO BE INSTALLED IN THE NEW BOILER ROOM UPON THE ISSUANCE OF THIS TITLE V PERMIT (1/2002). ALL EMISSION UNIT U-FT000 SOURCES ARE DUCTED TO A COMMON STACK, EMISSION POINT FT000.

THIS 0.42 MMBTU/HR BOILER THAT HAS AN EMISSION SOURCE/CONTROL UNIT ID OF FT003 AND OPERATES ONLY ON NATURAL GAS AND ARE CONSIDERED EXEMPT FROM PERMITTING IN ACCORDANCE WITH 6NYCRR 201-3.2(c).

PROCESS EMISSIONS SUMMARY REFLECT WORST CASE SCENARIO EMISSIONS FROM FT003 ONLY.

EMISSION UNIT EMISSIONS SUMMARY REFLECTS EMISSIONS FROM ALL FIVE EMISSION SOURCES (TWO 12.5 MMBTU/HR AND THREE 0.42 MMBTU/HR BOILERS - EMISSION SOURCES FT001, FT002, FT003, FT004 & FT005) IN EMISSION UNIT U-FT000.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Process: FT4 is located at BOILER ROOM, Building FULTON - ONE (1) 0.42 MMBTU/HR HIGH PRESSURE, PACKAGED AUTOMATIC STEAM BOILER TO BE INSTALLED IN THE NEW BOILER ROOM UPON THE ISSUANCE OF THIS TITLE V PERMIT (1/2002). ALL EMISSION UNIT U-FT000 SOURCES ARE DUCTED TO A COMMON STACK, EMISSION POINT FT000. THIS 0.42 MMBTU/HR BOILER THAT HAS AN EMISSION SOURCE/CONTROL UNIT ID of FT004 AND OPERATES ONLY ON NATURAL GAS AND ARE CONSIDERED EXEMPT FROM PERMITTING IN ACCORDANCE WITH 6NYCRR 201-3.2(c).

PROCESS EMISSIONS SUMMARY REFLECT WORST CASE SCENARIO EMISSIONS FROM FT004 ONLY.

EMISSION UNIT EMISSIONS SUMMARY REFLECTS EMISSIONS FROM ALL FIVE EMISSION SOURCES (TWO 12.5 MMBTU/HR AND THREE 0.42 MMBTU/HR BOILERS - EMISSION SOURCES FT001, FT002, FT003, FT004 & FT005) IN EMISSION UNIT U-FT000.

Process: FT5 is located at BOILER ROOM, Building FULTON - ONE (1) 0.42 MMBTU/HR HIGH PRESSURE, PACKAGED AUTOMATIC STEAM BOILER TO BE INSTALLED IN THE NEW BOILER ROOM UPON THE ISSUANCE OF THIS TITLE V PERMIT (1/2002). ALL EMISSION UNIT U-FT000 SOURCES ARE DUCTED TO A COMMON STACK, EMISSION POINT FT000. THIS 0.42 MMBTU/HR BOILER THAT HAS AN EMISSION SOURCE/CONTROL UNIT ID of FT005 AND OPERATES ONLY ON NATURAL GAS AND ARE CONSIDERED EXEMPT FROM PERMITTING IN ACCORDANCE WITH 6NYCRR 201-3.2(c).

PROCESS EMISSIONS SUMMARY REFLECT WORST CASE SCENARIO EMISSIONS FROM FT005 ONLY.

EMISSION UNIT EMISSIONS SUMMARY REFLECTS EMISSIONS FROM ALL FIVE EMISSION SOURCES (TWO 12.5 MMBTU/HR AND THREE 0.42 MMBTU/HR BOILERS - EMISSION SOURCES FT001, FT002, FT003, FT004 & FT005) IN EMISSION UNIT U-FT000.

Emission unit UFR001 - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK-UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR001.

Emission unit UFR001 is associated with the following emission points (EP):

FR001

It is further defined by the following process(es):

Process: FR1 is located at BASEMENT, Building FRANKLIN - ONE (1) 10.5 MMBTU/HR LOW PRESSURE CLEAVER BROOKS MODEL CB 200-250 STEAM BOILER, LOCATED IN THE PENTHOUSE OF THE 9-STORY FRANKLIN BUILDING. THIS BOILER HAS AN EMISSION SOURCE UNIT ID OF FR001. THIS BOILER BURN NUMBER 2 FUEL OIL OR NATURAL GAS. NATURAL GAS IS THE PRIMARY FUEL AND NUMBER 2 FUEL OIL ACTS AS A BACK-UP FUEL FIRING DURING NATURAL GAS INTERRUPTIONS. THE EMISSIONS FROM THIS BOILER ARE INDIVIDUALLY DUCTED TO EMISSION POINT FR001. PROCESS EMISSIONS

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



SUMMARIES REFLECT WORST-CASE SCENARIO EMISSIONS FROM FR001.

Title V/Major Source Status

BRONX LEBANON HOSPITAL CTR is subject to Title V requirements. This determination is based on the following information:

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

Program Applicability

The following chart summarizes the applicability of BRONX LEBANON HOSPITAL CTR with regards to the principal air pollution regulatory programs:

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

NOTES:

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

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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



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

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

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

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

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

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

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

Compliance Status

Facility is in compliance with all requirements

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



SIC Codes

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

SIC Code	Description
8062	GENERAL MEDICAL & SURGICAL HOSPITALS

SCC Codes

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

SCC Code	Description
1-03-005-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL 10-100MMBTU/HR **
1-03-006-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
1-03-006-03	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS Less Than 10 MMBtu/Hr

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000630-08-0	CARBON MONOXIDE	>= 10	tpy but < 25 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 40	tpy but < 50 tpy
0NY075-00-0	PARTICULATES	>= 2.5	tpy but < 10 tpy
0NY075-00-5	PM-10	>= 2.5	tpy but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 40	tpy but < 50 tpy
0NY998-00-0	VOC	> 0	but < 2.5 tpy

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Short Description	Condition
FACILITY	40CFR 60-A.11	General provisions - compliance with standards and maintenance requirements	58
FACILITY	40CFR 60-A.12	General provisions - Circumvention	59
FACILITY	40CFR 60-A.13	General provisions - Monitoring requirements	60
FACILITY	40CFR 60-A.14	General provisions - Modification	61
FACILITY	40CFR 60-A.15	General provisions - Reconstruction	62
FACILITY	40CFR 60-A.4	General provisions - Address	45
FACILITY	40CFR 60-A.7(a)	Notification and Recordkeeping	46
FACILITY	40CFR 60-A.7(b)	Notification and Recordkeeping	47
FACILITY	40CFR 60-A.7(c)	Notification and Recordkeeping	48
FACILITY	40CFR 60-A.7(d)	Notification and Recordkeeping	49
FACILITY	40CFR 60-A.7(f)	Notification and Recordkeeping	50
FACILITY	40CFR 60-A.8(a)	Performance Tests	51
FACILITY	40CFR 60-A.8(b)	Performance Tests	52
FACILITY	40CFR 60-A.8(c)	Performance Tests	53
FACILITY	40CFR 60-A.8(d)	Performance Tests	54
FACILITY	40CFR 60-A.8(e)	Performance Tests	55
FACILITY	40CFR 60-A.8(f)	Performance Tests	56
FACILITY	40CFR 60-A.9	General provisions - Availability of information	57
U-FR001	40CFR 60-Dc.42c(h)	Exemption from Averaging Requirements	66
U-FT000	40CFR 60-Dc.42c(h)	Exemption from Averaging Requirements	79
U-FR001	40CFR 60-Dc.42c(i)	Standard for Sulfur Dioxide Period of Requirements.	67

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



U-FT000	40CFR 60-Dc.42c(i)	Standard for Sulfur Dioxide Period of Requirements.	80
U-FR001	40CFR 60-Dc.48c(a)	Reporting and Recordkeeping Requirements.	68
U-FT000	40CFR 60-Dc.48c(a)	Reporting and Recordkeeping Requirements.	81
U-FR001	40CFR 60-Dc.48c(d)	Reporting and Recordkeeping Requirements.	69
U-FT000	40CFR 60-Dc.48c(d)	Reporting and Recordkeeping Requirements.	82
U-FR001	40CFR 60-Dc.48c(e)(11)	Reporting and Recordkeeping requirements - fuel supplier certifications	70
U-FT000	40CFR 60-Dc.48c(e)(11)	Reporting and Recordkeeping requirements - fuel supplier certifications	83
U-FR001	40CFR 60-Dc.48c(f)(1)	Reporting and Recordkeeping Requirements (distillate oil).	71
U-FT000	40CFR 60-Dc.48c(f)(1)	Reporting and Recordkeeping Requirements (distillate oil).	84
U-FR001	40CFR 60-Dc.48c(i)	Reporting and Recordkeeping Requirements.	72
U-FT000	40CFR 60-Dc.48c(i)	Reporting and Recordkeeping Requirements.	85
FACILITY	40CFR 82-F.	Protection of Stratospheric Ozone - recycling and emissions reduction	63
FACILITY	6NYCRR 200.5	Sealing.	1
FACILITY	6NYCRR 200.6	Acceptable ambient air quality.	2
FACILITY	6NYCRR 200.7	Maintenance of equipment.	3
FACILITY	6NYCRR 201-1.10(b)	Permitting - public access to records kept for Title V permitting	8
FACILITY	6NYCRR 201-1.2	Permitting - unpermitted emission sources	4
FACILITY	6NYCRR 201-1.4	Unavoidable noncompliance and violations	88
FACILITY	6NYCRR 201-1.5	Emergency defense	5
FACILITY	6NYCRR 201-1.7	Recycling and Salvage	6
FACILITY	6NYCRR 201-1.8	Prohibition of reintroduction of collected contaminants to the air	7
FACILITY	6NYCRR 201-3.1(a)	Exemptions and Trivial Activities - State Regulated Sources Exempt from Permit	9
FACILITY	6NYCRR 201-3.2(a)	Exempt Activities - Proof of eligibility	10, 11
FACILITY	6NYCRR 201-3.3(a)	Trivial Activities - proof of eligibility	12
FACILITY	6NYCRR 201-5.	State Facility Permit General Provisions	89
FACILITY	6NYCRR 201-5.3(b)	Permit Content and Terms	90

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



		of Issuance - permit conditions	
FACILITY	6NYCRR 201-6.	Title V Permits and the Associated Permit Conditions	22, 23, 24, 25, 64, 13, 14, 16, 17, 19, 20, 21, 65, 15, 18
FACILITY	6NYCRR 201-6.5(c)(3)(ii)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	26
FACILITY	6NYCRR 201-6.5(e)	Compliance Certification	27
FACILITY	6NYCRR 201-6.5(g)	Permit shield	28, 29
FACILITY	6NYCRR 202-1.1	Required emissions tests.	30
FACILITY	6NYCRR 202-1.2	Notification.	31
FACILITY	6NYCRR 202-1.3	Acceptable procedures.	32, 33
FACILITY	6NYCRR 202-2.1	Emission Statements - Applicability	34
FACILITY	6NYCRR 202-2.5	Emission Statements - record keeping requirements.	35
FACILITY	6NYCRR 211.2	General Prohibitions - air pollution prohibited.	91, 92
FACILITY	6NYCRR 211.3	General Prohibitions - visible emissions limited	36
FACILITY	6NYCRR 215.	Open Fires	37
FACILITY	6NYCRR 225-1.2(a)(2)	Sulfur in Fuel Limitations Post 12/31/87.	38
FACILITY	6NYCRR 225-1.8	Reports, sampling and analysis.	39
U-FR001/FR001	6NYCRR 227-1.3	Smoke Emission Limitations.	73
U-FR002/FR002	6NYCRR 227-1.3	Smoke Emission Limitations.	75
U-FR003/FR003	6NYCRR 227-1.3	Smoke Emission Limitations.	77
U-FT000/FT000	6NYCRR 227-1.3	Smoke Emission Limitations.	86
FACILITY	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	40
U-FR001/FR001	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	74
U-FR002/FR002	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	76
U-FR003/FR003	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	78
U-FT000/FT000	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	87
FACILITY	6NYCRR 227-1.6(a)	Corrective Action.	41
FACILITY	6NYCRR 227-1.6(b)	Corrective Action: Facility Shutdown.	42
FACILITY	6NYCRR 227-1.6(c)	Corrective Action: Facility Shutdown Prohibitions.	43
FACILITY	6NYCRR 227-1.6(d)	Corrective Action: Facility Shutdown Prohibitions.	44

Applicability Discussion:

New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



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

6NYCRR Part 200-.5

Allows for the sealing of non-compliant air contamination sources

6NYCRR Part 200-.6

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

6NYCRR Part 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

6NYCRR Part 201-1.2

Any existing emission source that is required to be permitted or registered but has not done so, must apply for the necessary permit or registration. The source is subject to all regulations that were applicable at the time the original permit or registration was required as well as any subsequent applicable requirements that came into effect since.

6NYCRR Part 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.

6NYCRR Part 201-1.5

An enforcement action may be avoided if the facility can demonstrate that an emergency situation occurred which resulted in an emission limitation or permit violation. The following information would constitute evidence of an emergency situation: a properly signed operating log recorded during the actual event which; identifies the cause(s) of the emergency, indicates that all equipment was operating properly at the time, the person responsible took all reasonable steps to minimize the exceedance or violation, and that the department was notified of the emergency within 2 working days of the event.

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected contaminants to the air

New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



6NYCRR Part 201-1.10(b)

Any permit application, compliance plan, permit, and monitoring and compliance certification report that is submitted as part of the Title V permit process must be made available to the public as per requirements set forth under 6 NYCRR Part 616 - Public Access to Records and section 114(c) of the Clean Air Act Amendments of 1990.

6NYCRR Part 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.

6NYCRR Part 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.

6NYCRR Part 201-5

General Provisions - this requirement applies to those permit terms and conditions which are not federally enforceable; specifies that permittees must maintain emission units and control devices in compliance with all rules; authorizes reasonable access for inspections for department representatives; requires that on-site monitoring recordkeeping be made available for review for at least 5 years.

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

6NYCRR Part 201-5.3(b)

Lists those contaminants subject to contaminant specific requirements

6NYCRR Part 201-6

General provisions for Title V permits including:
Applicable Criteria, Limits, Terms, Conditions and Standards - requires that facility operations take place in accordance with approved criteria, emission limits, terms,

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

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



conditions and standards as specified in the permit and that any documents required by the federally enforceable portion of the permit be certified by a responsible official

Cessation or Reduction of Permitted Activity Not a Defense - specifies that the cessation or reduction of a permitted activity to maintain compliance is not a defense in an enforcement action

Compliance Requirements - lists the information that must be included in any required compliance monitoring records and reports; and requires; compliance with any approved compliance schedule; the submittal of risk management plans as per 112(r) of the Act if necessary; and the submittal of compliance progress reports on a semiannual basis, at a minimum

Federally-Enforceable Requirements - specifies what permit terms and conditions, in general, are federally enforceable

Fees - requires the permittee to pay any required fees

Monitoring, Related Recordkeeping and Reporting Requirements - requires all compliance monitoring and recordkeeping to be conducted according to the terms and conditions of the permit and any Q/A requirements; any monitoring or support information is to be retained for minimum of 5 years.

Permit Revocation, Modification, Reopening, Reissuance or Termination and Associated Information Submission Requirements - specifies that the permit may be modified, revoked, reopened and reissued, or terminated for cause; and the permittee must furnish information regarding the permit to the department upon reasonable request

Permit Shield - sets forth criteria under which the permit shield applies and what authority the department maintains in pursuing violations

Property Rights - specifies that the permit does not convey any property rights

Reopening Cause - sets forth criteria and procedures for reopening a permit

Right to Inspect - establishes authority whereby department representatives may enter and inspect a facility

Severability - establishes that the permit continues to be valid in instances where any provisions, parts or conditions of the permit are found to be invalid or are the subject of a challenge

6NYCRR Part 201-6.5(e)

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

6NYCRR Part 201-6.5(g)

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



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.

6NYCRR Part 202-1.1

Specifies that emissions tests may be required to ascertain compliance with any air pollution codes and rules.

6NYCRR Part 202-2.1

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

6NYCRR Part 202-2.5

Specifies the emission statement records that must be maintained for a 5 year period.

6NYCRR Part 211-.2

General air pollution prohibition

6 NYCRR Part 211.3

Restricts the opacity of visible emissions from any air contamination source.

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

40 CFR Part 82, Subpart F

Requires affected permittees to comply with the recycling and emissions reduction standards specified by this rule when using ozone depleting substances identified under Title VI of the Act. Specifically, these regulations apply to the following persons or activities:

- a. Persons opening appliances for maintenance, service, repair, or disposal
- b. Equipment used during the maintenance, service, repair, or disposal of appliances
- c. Persons performing maintenance, service, repair, or disposal of appliances
- d. Persons disposing of small appliances, motor vehicle air conditioners or MVAC's, and MVAC-like appliances
- e. Persons owning commercial or industrial process refrigeration equipment
- f. Owners/operators of appliances normally containing 50 or more pounds.

If applicable, the above persons or activities may be required to comply with certain disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Facility Specific Requirements

In addition to Title V, BRONX LEBANON HOSPITAL CTR has been determined to be subject to the following regulations:

40CFR 60-A.11

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

40CFR 60-A.12

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

40CFR 60-A.13

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

40CFR 60-A.14

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

40CFR 60-A.15

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

40CFR 60-A.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 Enforcement and Compliance Assurance.

40CFR 60-A.7 (a)

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

40CFR 60-A.7 (b)

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

40CFR 60-A.7 (c)

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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



40CFR 60-A.7 (d)

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

40CFR 60-A.7 (f)

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

40CFR 60-A.8 (a)

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

40CFR 60-A.8 (b)

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

40CFR 60-A.8 (c)

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

40CFR 60-A.8 (d)

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

40CFR 60-A.8 (e)

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

40CFR 60-A.8 (f)

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

40CFR 60-A.9

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

40CFR 60-Dc.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: 2-6005-00179/00001

2/27/02 13:27:40



40CFR 60-Dc.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.

40CFR 60-Dc.48c (a)

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

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

40CFR 60-Dc.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

40CFR 60-Dc.48c (e) (11)

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

40CFR 60-Dc.48c (f) (1)

Fuel supplier certifications for distillate oil shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60-Dc.41c

40CFR 60-Dc.48c (i)

This regulation requires the source owner or operator to retain all records for a minimum of two years.

6NYCRR 201-3.1 (a)

An owner and/or operator of any of the exempt or trivial activities listed in this Subpart is exempt from the requirement to obtain registration or state facility permit. This does not apply to local air pollution control agency requirements.

6NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



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.

6NYCRR 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.

6NYCRR 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 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.

6NYCRR 225-1.2 (a) (2)

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

6NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1.

6NYCRR 227-1.3

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

6NYCRR 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.

6NYCRR 227-1.6 (a)

This regulation requires that any facility found in violation of the provisions of Part 227 must not operate the affected stationary combustion installation that is in violation unless it is equipped with approved emission control equipment, it is rehabilitated or upgraded in an approved manner; or the fuel is changed to an acceptable type

6NYCRR 227-1.6 (b)

This regulation states that the Department may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



6NYCRR 227-1.6 (c)

This regulation states that no person may operate any affected stationary combustion installation sealed by the commissioner in accordance with this Part 227.

6NYCRR 227-1.6 (d)

This regulation states that no person except Department personnel may remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Compliance Certification

Summary of monitoring activities at BRONX LEBANON HOSPITAL CTR:

Location Facility/EU/EP/Process/ES	Type of Monitoring	Cond No.
U-FR001	record keeping/maintenance procedures	68
U-FT000	record keeping/maintenance procedures	81
U-FR001	record keeping/maintenance procedures	69
U-FT000	record keeping/maintenance procedures	82
U-FR001	record keeping/maintenance procedures	70
U-FT000	record keeping/maintenance procedures	83
U-FR001	record keeping/maintenance procedures	71
U-FT000	record keeping/maintenance procedures	84
FACILITY	work practice involving specific operations	11
FACILITY	record keeping/maintenance procedures	26
FACILITY	record keeping/maintenance procedures	27
FACILITY	record keeping/maintenance procedures	34
FACILITY	record keeping/maintenance procedures	92
FACILITY	work practice involving specific operations	38
FACILITY	record keeping/maintenance procedures	39
U-FR001/FR001	record keeping/maintenance procedures	73
U-FR002/FR002	record keeping/maintenance procedures	75
U-FR003/FR003	record keeping/maintenance procedures	77
U-FT000/FT000	record keeping/maintenance procedures	86
FACILITY	monitoring of process or control device parameters as surrogate	40
U-FR001/FR001	monitoring of process or control device parameters as surrogate	74
U-FR002/FR002	monitoring of process or control device parameters as surrogate	76
U-FR003/FR003	monitoring of process or control device parameters as surrogate	78
U-FT000/FT000	monitoring of process or control device parameters as surrogate	87

Basis for Monitoring

Condition # 11 - 6NYCRR Part 201-3.2(a): This is a facility-wide condition. 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.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Condition # 26 - 6NYCRR Part 201-6.5(c)(3)(ii): This is a facility-wide condition. This condition 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.

Condition # 27 - 6NYCRR Part 201-6.5(e): This is a facility-wide condition. This condition specifies the overall permit requirements for compliance certification, including emission limitations, standards or work practices.

Condition # 34 - 6NYCRR Part 202-2.1: This is a facility-wide condition. This condition sets forth the applicability criteria for submitting an annual statement of emissions. The criteria is based on annual emission threshold quantities and ozone attainment designation. This condition applies to all Title V facilities and these facilities must submit an annual emission statement by April 15th of each year.

Condition # 38 - 6NYCRR 225-1.2(a)(2): This is a facility-wide condition. This condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.20% by weight for distillate fuel (# 2 fuel oil). The sulfur content must be determined by the seller. The facility must maintain a log of the sulfur content of oils on a per delivery basis.

Condition # 39 - 6NYCRR 225-1.8: This is a facility-wide condition. This condition requires any owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Conditions # 40, 74, 76, 78 & 87 - 6NYCRR 227-1.3(a) These conditions are facility level, emission unit level and process level monitoring conditions as follow:

Condition # 40 - Facility

Condition # 74 - U-FR001, Process FR001

Condition # 76 - U-FR002, Process FR002

Condition # 78 - U-FR003, Process FR003

Condition # 87 - U-FT000, Process FT000

These conditions prohibit 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.

Conditions # 68 & 81 - 40CFR 60-Dc.48c(a): These conditions are emission unit level monitoring conditions as follow:

Condition # 68 - U-FR001

Condition # 81 - U-FT000

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



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

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Conditions # 69 & 82 - 40CFR 60-Dc.48c(d): These conditions are emission unit level monitoring conditions as follow:

Condition # 69 - U-FR001
Condition # 82 - U-FT000

These conditions require 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.

Conditions # 70 & 83 - 40CFR 60-Dc.48c(e)(11): These conditions are emission unit level monitoring conditions as follow:

Condition # 70 - U-FR001
Condition # 83 - U-FT000

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

Conditions # 71 & 84 - 40CFR 60-Dc.48c(f)(1): These conditions are emission unit level monitoring conditions as follow:

Condition # 71 - U-FR001
Condition # 84 - U-FT000

Fuel supplier certifications for distillate oil shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60-Dc.41c.

Conditions # 73, 75, 77 & 86 - 6NYCRR 227-1.3: These conditions are emission unit level and process level monitoring conditions as follow:

Condition # 73 - U-FR001, Process FR001
Condition # 75 - U-FR002, Process FR002
Condition # 77 - U-FR003, Process FR003

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 2-6005-00179/00001

2/27/02 13:27:40



Condition # 86 - U-FT000, Process FT000

These conditions require a limitation and compliance monitoring for opacity from a stationary combustion installation. These conditions are for monitoring of visible emissions, where a Continuous Opacity Monitor (COM) is not utilized. 6NYCRR 227-1.3 requires a daily inspection for visible emissions. If visible emissions are noted for two consecutive days, a Method 9 test must be performed.

Condition # 85 - 40CFR 60-Dc.48c(i): This condition is an emission unit level monitoring condition that applies to U-FT000. This condition requires the source owner or operator to retain all records for a minimum of two years.

Condition # 92 - 6NYCRR Part 211.2: This is a facility-wide condition. This condition prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.