

New York State Department of Environmental Conservation
Facility DEC ID: 2600200105



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6002-00105/00002
Effective Date: 09/20/2006 Expiration Date: 09/19/2011

Permit Issued To: MONTEFIORE MEDICAL CENTER
111 EAST 210TH ST
BRONX, NY 10467-2401

Contact: EDWARD PFLEGING
MONTEFIORE MEDICAL CENTER
111 EAST 210TH ST
BRONX, NY 10467-2401
(718) 920-8832

Facility: MONTEFIORE MEDICAL CTR-111 E 210TH ST
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Description:

PERMIT DESCRIPTION
Montefiore Medical Center
DEC ID # 2-6002-00105/00002 (Ren 1)

Montefiore Medical Center (MMC) is a Title V facility, operating two boilers, three IC engines, one turbine, one duct burner, four ethylene oxide sterilizers, two abators, eight emergency generators, fuel oil storage tanks and fume hoods. This application is submitted to renew the Title V permit that expires on 7/9/2006.

Montefiore Medical Center (MMC) currently operates three internal combustion engines and two boilers in Emission Unit U-00001. The three internal combustion engines are defined as Emission Sources S0001, S0002 & S0003, are 13.5 MM Btu/hr COLTEC, 13.5 MM Btu/hr COLTEC and 20.2 MM Btu/hr COLTEC engines, respectively. They were installed in 1992 and began operating in 1994. The two boilers are defined as Emission Sources S0004 & S0005, are 98 MM Btu/hr Babcock & Wilcox and 68.4 MM Btu/hr Cleaver Brooks boilers, respectively. The Babcock & Wilcox boiler (Emission Source S0004) is being downgraded from 113 MM Btu/hr to 98 MM Btu/hr. Ever since its installation, this emission source was never operated at that capacity. The facility also operates an ethylene oxide



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

sterilization system that consists of two 24 cubic feet ethylene oxide sterilizers, two 4.8 cubic feet sterilizers and two abators in Emission Unit U-00002. In addition, the facility operates one 4.83 megawatt (6,357 hp) combustion turbine-generator (Emission Source ES006), one HRSG with 35 MM Btu/hr duct burner (Emission Source ES007) and one GOALLINE/SCNOX air pollution control unit (Emission Control ES008) in Emission Unit U-C0003. The facility operates exempt emergency generators to the cogeneration power plant.

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

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

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

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

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

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

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

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

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



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

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

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

The Title V permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units, its emission points, and its processes. Montefiore Medical Center is subject to the provisions of Title V specified under 6 NYCRR 201-6 in addition to the following regulations and conditions:

1. The facility is subject to the provisions of Title V for sulfur dioxide and is subject to 6 NYCRR 225-1, fuel composition and use - sulfur limitations, which restricts the sulfur content of distillate fuel oil utilized in the three Internal Combustion Engines (Emission Sources S0001, S0002 & S0003) and the two mid-size boilers (Emission Sources S0004 & S0005) in Emission Unit U-00001 to 0.20% by weight or less as per 6 NYCRR 225.1(a)(3), which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.

2. In order to cap out of New Source Review, 6 NYCRR 231-2, the facility is limiting the following:

a. The natural gas usage for the gas turbine and duct burner combination shall not exceed 714 million cubic feet of gas per year, based upon an annual 12- month rolling average as per 6 NYCRR 201-7.2 cap. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the turbine/duct burner gas supply line. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five years.

b. The distillate oil usage for the gas turbine shall not exceed 520,000 gallons per year, based upon an annual 12- month rolling average as per 6 NYCRR 201-7.2 cap. The facility shall monitor this limit by installing and maintaining a non-resettable fuel flow meter on the oil line to the gas turbine. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five years.

3. For the GOALLINE/SCONOX (Emission Control ES008) for the turbine (Emission Source ES006) and its duct burner (Emission Source ES007) in U-C0003, the facility shall perform a semi-annual inspection and stack test (acceptable to the Commissioner, in lieu of Continuous Emission Testing) to prove the 90% control efficiency of the NOx control equipment when operating on natural gas, and the 80 % control efficiency of the NOx control when operating on distillate oil as per 6 NYCRR 227-2.6(a)(2). The equipment has been installed, is being maintained, and operating at this facility. The protocol for this inspection and testing requirement is due 60 days prior to the initial performance testing. Once an acceptable protocol has been submitted, it shall be incorporated into this permit.



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

As recommended by the GOALLINE SCONOX manufacturer, the catalytic reduction (Emission Control ES008 for Emission Sources ES006 & ES007), Montefiore Medical Center will use a fuel oil containing a maximum of 0.003 % by weight sulfur, it is designated as Ultra Low Sulfur Diesel (ULSD). This is the fuel that has been developed to meet the EPA Heavy Duty Highway Engines and Vehicles Standards due to take effect with the 2007 model year.

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

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

5. Emission Point EP003 in Emission Unit U-C0003 is subject to the particulate and smoke emission, and corrective action requirements of 6 NYCRR 227-1, stationary combustion installations for the smoke emission for the 20% COMS opacity limit as per 6 NYCRR 227-1.3.

6. The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and # 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. These three Internal Combustion Engines are subject to the stack testing requirements of 6 NYCRR 227-2.6 (b) & (c) and to the NOx emission limit of 2.3 grams per brake-horsepower for Emission Point E0001 as per 6 NYCRR 227-2.4(f)(2)(ii) 7 The facility is required to conduct stack test for the Particulate emission limit of 0.10 pounds per million Btus for stationary combustion units firing oil, for the three COLTEC stationary Internal Combustion Engines (Emission Sources S0001, S0002 & S0003) and the two mid-size boilers in Emission Unit U-00001 (Emission Sources S00004 & S00005) and Processes B01 & B02, in accordance with the permit condition for 6 NYCRR 227.2(b)(1). These five combustion sources are subject to the SIP particulate emission requirements under 6 NYCRR 227.2(b)(1) for the # 2 fuel oil process.

8. Emission Source S0004 (the 98 Million Btu/hr Babcock Wilcox boiler) in Emission Unit U-00001 is subject to Part 60 - Standards of Performance for New Stationary Sources Subpart A - General Provisions for notification and recordkeeping, compliance with standards and maintenance requirements, availability of information, circumvention, monitoring requirements, modification, and reconstruction. Emission Source S0004 in Emission Unit U-00001 is also subject to Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for 40 CFR 60-Dc.40c - Steam generators 10-100 million Btu per hour, for 40 CFR 60-Dc.42c, Dc.43c (c), Dc.44c (h), Dc.46c(d)(2), Dc.43c (c), Dc.47c, and 40 CFR 60-Dc.48c(a) in terms of the monitoring, reporting and record keeping requirements for the sulfur dioxide emission monitoring, particulates emission monitoring and standard for COMS opacity. requirements.



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

9. Emission Point E0001 in Emission Unit U-00001 is subject to the particulate and smoke emission, and corrective action requirements of 6 NYCRR 227-1, stationary combustion installations for the smoke emission for the 20% COMS opacity limit as per 6 NYCRR 227-1.3(a).

10. The two mid-size boilers (Emission Sources S0004 & S0005) in U-00001 are subject to 227-2.4 (c) for stack testing with a NO_x limit of 0.12 pounds per million Btus as per 227-2.6(a)(4). The facility can opt to CEMS as per 6 NYCRR 227-2.6(b) in lieu of the stack testing.

11. As per 6 NYCRR 212.3(a), Montefiore Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator, which is identified as Emission Controls ST009 & ST012 in Emission Unit U-00002. The EtO sterilizers system utilizes a 10/90 mixture of EtO and HCFC 124 to sterilize the medical and surgical utensils and equipments. The two Ethylene Oxide sterilizers will be operated as per the manufacturer's instruction. The sterilizer is operated once a day, five days a week and 52 weeks a year. The length of the cycle is two hours for each sterilizer. The facility is required to comply with its emission limit through the use of Best Available Control Technology (BACT) by having the abator's removal efficiency to be a minimum of 99%. Based on the facility's Ethylene Oxide emission rate potential of 2.04 lb/hr, the degree of air cleaning (contaminant capture) required is 99% or greater or BACT must be installed as per 6 NYCRR 212.2. When the emission rate potential (ERP) is equal to or greater than 1.0 lb/hr, then the degree of control of 99% or greater or install BACT is required.

12. For the Ethylene Oxide sterilization, abator operation is required during sterilization since the EtO emission rate potential is >1.0 lb/hr as per 6 NYCRR 212.3(a). The EtO abator must be in operation whenever EtO sterilization is conducted. The Ethylene Oxide sterilizers (Emission Sources ST007 & ST008) are equipped with an abator (Emission Control ST009), and (Emission Sources ST010 & ST011) are equipped with an abator (ST012), which controls the EtO emission to a maximum of 0.0204 pounds per hour in Emission Point E0002 and Emission Unit U-00002. The EtO gas emissions from the sterilizer are exhausted through the abator after being reduced to 0.0204 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point E0002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

13. As per 6 NYCRR 212.9(b), the EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the Ethylene Oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

- a. The date and the number of sterilization loads.
- b. The quantity of sterilization gas used in pounds per hour, per day and per year.
- c. The date and time of sterilizer and/or abator malfunctions and maintenance.
- d. Records are to be maintained on site for a period of five (5) years.

14. Emission Point E0002 in Emission Unit U-00002 is subject to the smoke emission for the 20% opacity limit as per 6 NYCRR 212.6(a).

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including eight emergency generators, which are exempt and are not operated in any



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

peak shaving program, they are used only in power outages and life saving programs when needed to provide power < 500 hrs/yr. In addition, there are two standby backup emergency power generators, which are part of the Solar COLTEC turbine. These two backup emergency engines are used only during the malfunction of the turbine. Also, the facility has one non-contact water cooling tower and water treatment system for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: JOHN F CRYAN
 DIVISION OF ENVIRONMENTAL PERMITS
 ONE HUNTERS POINT PLAZA, 47-40 21ST STREET
 LONG ISLAND CITY, NY 11101-5407

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:



New York State Department of Environmental Conservation
Facility DEC ID: 2600200105

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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111 EAST 210TH ST
BRONX, NY 10467-2401

Facility: MONTEFIORE MEDICAL CTR-111 E 210TH ST
111 EAST 210TH ST
BRONX, NY 10467-2401

Authorized Activity By Standard Industrial Classification Code:
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 09/20/2006

Permit Expiration Date: 09/19/2011



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 200.3: False statement
- 24 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.5(g): Non Applicable requirements
- 26 6NYCRR 201-7.2: Facility Permissible Emissions
- *27 6NYCRR 201-7.2: Capping Monitoring Condition
- *28 6NYCRR 201-7.2: Capping Monitoring Condition
- 29 6NYCRR 225-1.2(a)(2): Compliance Certification
- 30 6NYCRR 225-1.8: Compliance Certification
- 31 6NYCRR 227-1.3(a): Compliance Certification
- 32 6NYCRR 227-2.1(a)(5): Compliance Certification
- 33 6NYCRR 227-2.5(a): Compliance Certification
- 34 40CFR 60.14, NSPS Subpart A: Modifications.
- 35 40CFR 60.15, NSPS Subpart A: Reconstruction
- 36 40CFR 60.334, NSPS Subpart GG: Compliance Certification
- 37 40CFR 82, Subpart F: Recycling and Emissions Reduction

Emission Unit Level

- 38 6NYCRR 201-6: Emission Point Definition By Emission Unit

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



39 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00001,EP=E0001

40 6NYCRR 227-1.3: Compliance Certification

41 6NYCRR 227-1.3(a): Compliance Certification

EU=U-00001,EP=E0001,Proc=B01

42 6NYCRR 227.2(b)(1): Compliance Certification

EU=U-00001,EP=E0001,Proc=B01,ES=S0001

43 6NYCRR 227-2.4(f)(2): Compliance Certification

44 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification

45 6NYCRR 227-2.6(a)(2): Compliance Certification

46 6NYCRR 227-2.6(a)(7): Compliance Certification

47 6NYCRR 227-2.6(b): Compliance Certification

48 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=B01,ES=S0002

49 6NYCRR 227-2.4(f)(2): Compliance Certification

50 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification

51 6NYCRR 227-2.6(a)(2): Compliance Certification

52 6NYCRR 227-2.6(a)(7): Compliance Certification

53 6NYCRR 227-2.6(b): Compliance Certification

54 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=B01,ES=S0003

55 6NYCRR 227-2.4(f)(2): Compliance Certification

56 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification

57 6NYCRR 227-2.6(a)(2): Compliance Certification

58 6NYCRR 227-2.6(a)(7): Compliance Certification

59 6NYCRR 227-2.6(b): Compliance Certification

60 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=B01,ES=S0004

61 6NYCRR 227-2.4(c): Compliance Certification

62 6NYCRR 227-2.6(a)(4): Compliance Certification

63 6NYCRR 227-2.6(b): Compliance Certification

64 6NYCRR 227-2.6(c): Compliance Certification

65 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

66 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

67 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.

68 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.

69 40CFR 60.7(c), NSPS Subpart A: Compliance Certification

70 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

- 71 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 72 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 73 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 74 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 75 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 76 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 77 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 78 40CFR 60.9, NSPS Subpart A: Availability of information.
- 79 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 80 40CFR 60.12, NSPS Subpart A: Circumvention.
- 81 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 82 40CFR 60.13(c), NSPS Subpart A: Compliance Certification
- 83 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 84 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 85 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 86 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 87 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 88 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 89 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 90 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
- 91 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 92 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.
- 93 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification
- 94 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
- 95 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Certification
- 96 40CFR 60.48c(e)(2), NSPS Subpart Dc: Compliance Certification
- 97 40CFR 60.48c(e)(3), NSPS Subpart Dc: Compliance Certification
- 98 40CFR 60.48c(e)(4), NSPS Subpart Dc: Compliance Certification
- 99 40CFR 60.48c(e)(7), NSPS Subpart Dc: Compliance Certification
- 100 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Certification
- 101 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 102 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=E0001,Proc=B02

- 103 6NYCRR 227.2(b)(1): Compliance Certification

EU=U-00001,EP=E0001,Proc=B02,ES=S0005

- 104 6NYCRR 227-2.4(c): Compliance Certification
- 105 6NYCRR 227-2.4(c)(1)(i): This is the optional condition for gas or distillate fired midsized boilers. If they opt not to use this method then 227-2.4(c)(2) applies.
- 106 6NYCRR 227-2.6(a)(4): Compliance Certification
- 107 6NYCRR 227-2.6(b): Compliance Certification
- 108 6NYCRR 227-2.6(c): Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



EU=U-00001,EP=E0001,Proc=BNG,ES=S0001

- 109 6NYCRR 227-2.4(f)(2): Compliance Certification
- 110 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification
- 111 6NYCRR 227-2.6(a)(2): Compliance Certification
- 112 6NYCRR 227-2.6(a)(7): Compliance Certification
- 113 6NYCRR 227-2.6(b): Compliance Certification
- 114 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=BNG,ES=S0002

- 115 6NYCRR 227-2.4(f)(2): Compliance Certification
- 116 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification
- 117 6NYCRR 227-2.6(a)(2): Compliance Certification
- 118 6NYCRR 227-2.6(a)(7): Compliance Certification
- 119 6NYCRR 227-2.6(b): Compliance Certification
- 120 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=BNG,ES=S0003

- 121 6NYCRR 227-2.4(f)(2): Compliance Certification
- 122 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification
- 123 6NYCRR 227-2.6(a)(2): Compliance Certification
- 124 6NYCRR 227-2.6(a)(7): Compliance Certification
- 125 6NYCRR 227-2.6(b): Compliance Certification
- 126 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00001,EP=E0001,Proc=BNG,ES=S0004

- 127 6NYCRR 227-2.4(c): Compliance Certification
- 128 6NYCRR 227-2.6(a)(4): Compliance Certification
- 129 6NYCRR 227-2.6(b): Compliance Certification
- 130 6NYCRR 227-2.6(c): Compliance Certification
- 131 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 132 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 133 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
- 134 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 135 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 136 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 137 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 138 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 139 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 140 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 141 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 142 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 143 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 144 40CFR 60.9, NSPS Subpart A: Availability of information.
- 145 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 146 40CFR 60.12, NSPS Subpart A: Circumvention.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



147 40CFR 60.13, NSPS Subpart A: Monitoring requirements.

EU=U-00002,EP=E0002,Proc=ETO,ES=ST009

148 6NYCRR 212.2: Compliance Certification

149 6NYCRR 212.3(a): Compliance Certification

150 6NYCRR 212.6(a): Compliance Certification

151 6NYCRR 212.9(b): Compliance Certification

EU=U-00002,EP=E0002,Proc=ETO,ES=ST012

152 6NYCRR 212.2: Compliance Certification

153 6NYCRR 212.3(a): Compliance Certification

154 6NYCRR 212.6(a): Compliance Certification

155 6NYCRR 212.9(b): Compliance Certification

EU=U-C0003

156 40CFR 60.334, NSPS Subpart GG: Compliance Certification

157 40CFR 60.335(b), NSPS Subpart GG: Test methods and procedures for
NOx emission testing

EU=U-C0003,EP=EP003

158 6NYCRR 227-1.3: Compliance Certification

159 6NYCRR 227-1.3(a): Compliance Certification

EU=U-C0003,EP=EP003,Proc=P03,ES=ES006

*160 6NYCRR 201-7.2: Capping Monitoring Condition

*161 6NYCRR 201-7.2: Capping Monitoring Condition

162 6NYCRR 227-2.6(a)(2): Compliance Certification

EU=U-C0003,EP=EP003,Proc=P04

163 6NYCRR 227.2(b)(1): Compliance Certification

EU=U-C0003,EP=EP003,Proc=P04,ES=ES006

*164 6NYCRR 201-7.2: Capping Monitoring Condition

*165 6NYCRR 201-7.2: Capping Monitoring Condition

166 6NYCRR 227-2.6(a)(2): Compliance Certification

EU=U-C0003,EP=EP003,Proc=P06,ES=ES007

*167 6NYCRR 201-7.2: Capping Monitoring Condition

*168 6NYCRR 201-7.2: Capping Monitoring Condition

169 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

170 ECL 19-0301: Contaminant List

171 6NYCRR 201-1.4: Unavoidable noncompliance and violations

172 6NYCRR 211.2: Air pollution prohibited

New York State Department of Environmental Conservation
Permit ID: 2-6002-00105/00002 Facility DEC ID: 2600200105



NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

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

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

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

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

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

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

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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 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.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



following:

i. Compliance certifications shall contain:

- the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Condition 8: Recordkeeping requirements
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Condition 11: Recycling and Salvage
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:

No person shall remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-3.2(a)

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains 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.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-3.3(a)

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains 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.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Condition 15: Standard Requirement - Provide Information
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(6)

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 211.3

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 20.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 68

Item 21.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Condition 23: False statement
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 200.3

Item 23.1:

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

Condition 24: Emission Unit Definition
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of three internal combustion engines (Emission sources S0001, S0002 & S0003) and two boilers (Emission sources S0004 & S0005) with a total potential heat input of 213.6 MM Btu/hr. All of these emission sources operate on dual fuel operation (natural gas and number 2 fuel oil), except Emission Source S0005 (the 68.4 MM Btu/hr Cleaver Brooks boiler), which operates on number 2 fuel oil (distillate oil) only. The Babcock & Wilcox boiler (Emission Source S0004) is being downgraded from 113 MM Btu/hr to 98 MM Btu/hr. Ever since its installation, this emission source was never operated at that capacity.

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

Building(s): 1

Item 24.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 consists of the ethylene oxide sterilizer system as:
Emission Source ST007 - Steris- AMSCO Eagle-3048 sterilizer - existing 24 cubic feet
Emission Source ST008 - Steris-AMSCO Eagle-3048 sterilizer - existing 24 cubic feet



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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

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

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

Emission Control ST012 - AMSCO 50 CFM EtO abator - new

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

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

Building(s): 2

Item 24.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-C0003

Emission Unit Description:

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

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

Building(s): 1

Condition 25: Non Applicable requirements

Effective between the dates of 09/20/2006 and 09/19/2011

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Applicable Federal Requirement: 6NYCRR 201-6.5(g)

Item 25.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40CFR 60-Dc.42c

Emission Unit: U00001 Emission Point: E0001 Process: B01 Source: S0004

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

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

**Condition 26: Facility Permissible Emissions
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 26.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 PTE: 847,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 27: Capping Monitoring Condition
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 27.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

6NYCRR 231-2

Item 27.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:

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.

Item 27.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-C0003 Emission Point: EP003
Process: P06 Emission Source: ES007

Emission Unit: U-C0003 Emission Point: EP003
Process: P03 Emission Source: ES006

Emission Unit: U-C0003 Emission Point: EP003
Process: P03 Emission Source: ES008

Emission Unit: U-C0003 Emission Point: EP003
Process: P06 Emission Source: ES008

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 27.7:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The natural gas usage for the gas turbine and duct burner combination shall not exceed 714 million cubic feet of gas per year, based upon a annual 12- month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resetable gas flow meter on the turbine/duct burner gas supply line. The gas flow meter is manufactured by MicroMotion Model CMF200M419NC and the gas flow meter transmitter is MicroMotion Elite Remote Flow Transmitter Model RFT9739E58CA. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT97T9739E58CA

Upper Permit Limit: 714 million cubic feet per year

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 28: Capping Monitoring Condition
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 28.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 28.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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.

Item 28.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-C0003 Emission Point: EP003
Process: P04 Emission Source: ES006

Emission Unit: U-C0003 Emission Point: EP003
Process: P04 Emission Source: ES008

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:
The distillate oil usage for the gas turbine shall not exceed 520,000 gallons per year, based upon a annual 12-month rolling average. The facility shall monitor this limit by installing and maintaining a non-resetable fuel flow meter on the oil line to the gas turbine. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Manufacturer Name/Model Number: Non-resetable fuel flow meter on the oil line to the gas



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

turbine

Upper Permit Limit: 520 thousand gallons per year
Reference Test Method: PT 60, AA A, M 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 225-1.8



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:

- a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and distillate oil and coal sold;
- c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 32: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.1(a)(5)

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Montefiore Medical Center has to comply with the NO_x RACT equipment and operating procedures. Records documenting continued compliance will be maintained.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.5(a)

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel switching option: The owner/operator of a combustion installation covered under this subpart may commit to burning a cleaner fuel, such as natural gas, during the ozone season from May 1 to September 15. Fuel switching may result in quantifiable annual NO_x emissions equal to or less than the NO_x emissions expected if the combustion installations complied with the emission limits in section 227-2.4 of this subpart. The facility would then calculate the NO_x emissions associated with fuel switching. The facility is required to keep records and dates of each fuel used for a period of five years.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 34: Modifications.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 34.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 35: Reconstruction

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 35.1:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 36: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.334, NSPS Subpart GG

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



OPERATIONS

Monitoring Description:

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

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

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

As recommended by the GOALLINE SCONOx manufacturer (the catalytic reduction, Emission Control ES008 for Emission Sources ES006 & ES007), Montefiore Medical Center will use a fuel oil containing a maximum of 0.003 % by weight sulfur, it is designated as Ultra Low Sulfur Diesel (ULSD). This is the fuel that has been developed to meet the EPA Heavy Duty Highway Engines and Vehicles Standards due to take effect with the 2007 model year.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.003 percent by weight

Reference Test Method: ASTM D 2622

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 37: Recycling and Emissions Reduction
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 37.1:

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

****** Emission Unit Level ******

Condition 38: Emission Point Definition By Emission Unit
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-6

Item 38.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Height (ft.): 133 Diameter (in.): 60
NYTMN (km.): 4526.023 NYTME (km.): 594.333 Building: 1

Item 38.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00002

Emission Point: E0002

Height (ft.): 26 Length (in.): 10 Width (in.): 10
NYTMN (km.): 4526.023 NYTME (km.): 594.333 Building: 2

Item 38.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-C0003

Emission Point: EP003

Height (ft.): 125 Diameter (in.): 72
NYTMN (km.): 4528.2 NYTME (km.): 595. Building: 1

**Condition 39: Process Definition By Emission Unit
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 201-6

Item 39.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: B01

Source Classification Code: 3-10-004-11

Process Description:

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

Emission Source/Control: S0004 - Combustion

Design Capacity: 98 million Btu per hour

Emission Source/Control: S0001 - Control

Control Type: MOVING BED DRY SCRUBBER

Emission Source/Control: S0002 - Control

Control Type: MOVING BED DRY SCRUBBER



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Source/Control: S0003 - Control
Control Type: MOVING BED DRY SCRUBBER

Item 39.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: B02

Source Classification Code: 3-10-004-11

Process Description:

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

Emission Source/Control: S0005 - Combustion
Design Capacity: 68.4 million Btu per hour

Emission Source/Control: S0001 - Control
Control Type: MOVING BED DRY SCRUBBER

Emission Source/Control: S0002 - Control
Control Type: MOVING BED DRY SCRUBBER

Emission Source/Control: S0003 - Control
Control Type: MOVING BED DRY SCRUBBER

Item 39.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: BNG

Source Classification Code: 1-03-006-02

Process Description:

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

Emission Source/Control: S0004 - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: S0001 - Control
Control Type: MOVING BED DRY SCRUBBER

Emission Source/Control: S0002 - Control
Control Type: MOVING BED DRY SCRUBBER

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Emission Source/Control: S0003 - Control
Control Type: MOVING BED DRY SCRUBBER

Item 39.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002

Process: ETO

Source Classification Code: 3-15-020-01

Process Description:

Emission Unit U-00002 consists of ethylene oxide sterilization system. The facility is replacing one existing sterilizer (Emission Source ST006) with two new sterilizers (Emission Sources ST010 & ST011), equipped with an abator (Emission Control ST012). This unit upon upgrade will consist of four ethylene oxide sterilizers, two new AMSCO 4.8 CF and two existing AMSCO 24 CF sterilizers. Existing sterilizers are connected to an existing abator and the new sterilizers to be installed will be connected to a new abator (AMSCO 50 CFM).

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

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

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

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

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

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

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

Emission Control ST012 - AMSCO 50 CFM EtO abator - new

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

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Emission Source/Control: ST009 - Control
Control Type: CATALYTIC REDUCTION

Emission Source/Control: ST012 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: ST007 - Process
Design Capacity: 24 cubic feet

Emission Source/Control: ST008 - Process
Design Capacity: 24 cubic feet

Emission Source/Control: ST010 - Process
Design Capacity: 4.8 cubic feet

Emission Source/Control: ST011 - Process
Design Capacity: 4.8 cubic feet

Item 39.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-C0003

Process: P03

Source Classification Code: 2-03-002-02

Process Description:

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

Emission Source/Control: ES006 - Combustion
Design Capacity: 4.83 megawatt

Emission Source/Control: ES008 - Control
Control Type: CATALYTIC REDUCTION

Item 39.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-C0003

Process: P04

Source Classification Code: 2-03-001-02

Process Description:

Process P04 is the firing of distillate oil in the



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

combustion turbine-generator (Emission Source ES006). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX).

Emission Source/Control: ES006 - Combustion
Design Capacity: 4.83 megawatt

Emission Source/Control: ES008 - Control
Control Type: CATALYTIC REDUCTION

Item 39.7:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-C0003

Process: P06

Source Classification Code: 1-03-006-02

Process Description:

Process P06 is the firing of natural gas in the duct burner (Emission Source ES007). The emissions are controlled by Emission Control ES008 (GOALLINE/SCONOX).

Emission Source/Control: ES007 - Combustion
Design Capacity: 35 million Btu per hour

Emission Source/Control: ES008 - Control
Control Type: CATALYTIC REDUCTION

Condition 40: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Monitoring Description:

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

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

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS down time, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS down time period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedances and the duration of exceedances expressed as a percentage of the total time which the COMS are required to record data.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 11/29/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0001

Process: B01

Emission Source: S0001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

- (a) 9.0 grams per brake horsepower-hour through March 31, 2005;
- (b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

stack tests as described in subdivision (c) of this section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 46: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 46.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a daily basis, the facility will keep records of:

1. The number 2 fuel oil usage for each internal combustion engine in gallons per day and
2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions to demonstrate compliance with Subpart 2.6(a). Also, the NO_x emissions must be measured in accordance with emission test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NO_x RACT rules. The NO_x emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1),

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS for the 13.5 MM Btu/hr COLTEC, M/N 38 ETDD
8-1/8

Upper Permit Limit: 2.3 grams per brake horsepower-hour



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reference Test Method: App A, Method 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NOx RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

The stack testing for NO_x emission requires the facility to:

1. submit compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:
3. for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 49: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

- (a) 9.0 grams per brake horsepower-hour through March 31, 2005;
- (b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance stack tests as described in subdivision (c) of this



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 52: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Monitoring Description:

On a daily basis, the facility will keep records of:

1. The number 2 fuel oil usage for each internal combustion engine in gallons per day and
2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions to demonstrate compliance with Subpart 2.6(a). Also, the NO_x emissions must be measured in accordance with emission test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NO_x RACT rules. The NO_x emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate,

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, Method 19

Monitoring Frequency: CONTINUOUS



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

1. submit compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:
3. for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.
4. submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 55.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO_x RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 56.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

- (a) 9.0 grams per brake horsepower-hour through March 31, 2005;
- (b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance stack tests as described in subdivision (c) of this section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NOx emission rate.

Compliance with this NOx emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 58: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0003

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a daily basis, the facility will keep records

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



of:

1. The number 2 fuel oil usage for each internal combustion engine in gallons per day and
2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions to demonstrate compliance with Subpart 2.6(a). Also, the NO_x emissions must be measured in accordance with emission test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NO_x RACT rules. The NO_x emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 59.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NOx emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NOx emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NOx per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0003

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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

1. submit compliance test protocol to the department for



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:

3. for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.

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

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(c)

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Montefiore Medical Center is required to stack test the mid-size boiler (Emission Source S0004 - 98 MM Btu/hr Babcock Wilcox FM 106 boiler) in order to demonstrate compliance with the NOx RACT emission limit regulatory standard of 0.12 pounds per million Btus when firing distillate oil. The 98 MM Btu/hr Babcock Wilcox FM 106 boiler operates on distillate oil (Process B01) and on natural gas (Process BNG).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NOx RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on distillate oil is 0.12 pounds of NOx per million Btus. Montefiore Medical Center is required to comply with the NOx emission limit of 0.12 lbs/MM Btus under the NOx RACT plan for mid-size boilers.

Compliance with the 0.12 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004). The NOx RACT for mid-size boilers operating on distillate oil has an emission limit regulatory standard of 0.12 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: Method 7, 7E, or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The facility shall perform testing on the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004) to verify NO_x emissions to demonstrate compliance with this part.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission source S0004). The NO_x RACT for boilers operating on distillate oil is a limit of 0.12 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1) The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS for the BABCOCK WILCOX FM 106

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Montefiore Medical Center is required to perform testing the mid-size boiler (Emission Source S0004 - the 98 MM Btu/hr Babcock Wilcox FM 106 boiler) to verify the NO_x emission limit compliance. The 98 MM Btu/hr Babcock Wilcox FM 106 boiler operates on distillate oil (Process B01) and on natural gas (BNG).

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

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

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
3. Submit a compliance test report containing the results of the emission test to the department no later than 60 days after the completion of the emission test.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.12 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 65: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 65.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 65.2:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 66: EPA Region 2 address.
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 66.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 66.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

**Condition 67: Date of Construction Notification - if a COM is used.
Effective between the dates of 09/20/2006 and 09/19/2011**



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Applicable Federal Requirement: 40CFR 60.7(a), NSPS Subpart A

Item 67.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 67.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

Condition 68: Recordkeeping requirements.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

Item 68.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 68.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Condition 69: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Excess Emissions Report
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

Item 70.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 70.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 71: Facility files for subject sources.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(f), NSPS Subpart A

Item 71.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 71.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 72: Performance testing timeline.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 72.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 72.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Condition 73: Performance test methods.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(b), NSPS Subpart A

Item 73.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 73.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 74: Required performance test information.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(c), NSPS Subpart A

Item 74.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 74.2:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 75: Prior notice.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(d), NSPS Subpart A

Item 75.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 75.2:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 76: Performance testing facilities.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(e), NSPS Subpart A

Item 76.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: B01

Emission Source: S0004

Item 76.2:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 77: Number of required tests.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(f), NSPS Subpart A

Item 77.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 77.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 78: Availability of information.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 78.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 78.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

Condition 79: Opacity standard compliance testing.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 79.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: B01

Emission Source: S0004

Item 79.2:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 80: Circumvention.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 80.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 80.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 81: Monitoring requirements.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 81.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 81.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 82: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.13(c), NSPS Subpart A

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

**Condition 83: Applicability of this Subpart to this emission source
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 83.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 83.2:

This emission source is subject to 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.

**Condition 84: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph of Subpart 60.46c(a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

immediately after the fuel tank is filled and before any oil is combusted.

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

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

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: Method 19
Monitoring Frequency: PER DELIVERY
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The affected facility to which this Subpart applies is each steam generating unit for which construction, modification or reconstruction commenced after June 9,



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

1989 and that has a maximum design heat input capacity of 100 million Btu/hr or less, but greater than or equal to 10 million Btu/hr. Steam generating units which meet the applicability requirements above are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (Subparts 60.42c, 60.43c, 60.44c, 60.45c, 60.46c., or 60.47c) during periods of combustion research, as defined in Subpart 60.14. Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004), firing # 2 fuel oil.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

affected facility that combusts distillate oil shall combust oil with a sulfur content in excess of 0.2 percent by weight.

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

**Condition 87: Exemption from the averaging period.
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.42c(h), NSPS Subpart Dc

Item 87.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 87.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall 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.

**Condition 88: Enforceability.
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.42c(i), NSPS Subpart Dc



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 88.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 88.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 89: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY
Upper Permit Limit: 20.0 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Condition 90: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h). Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60.48c(f)(1), (2) and (3) as applicable.

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

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

Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: ASTM Method D4292
Monitoring Frequency: PER DELIVERY



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph of Subpart 60.46c(a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

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



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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

Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: Method 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

**Condition 92: Exemption from sulfur dioxide monitoring requirements.
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.46c(e), NSPS Subpart Dc

Item 92.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 92.2:

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 93: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 40CFR 60.47c, NSPS Subpart Dc

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 93.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of an affected facility that combusts residual oil, coal or wood and has heat input capacity greater than 30 mmbtu/hr shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity averaging over 6-minutes, except for one 6-minute period per hour of not more than 27% opacity.

Facilities combusting oil subject to section 40 CFR 60-Dc.43c shall install, calibrate, maintain, and operate CEMs for opacity. All CEMs shall be operated in accordance with appendix B of part 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: 40 CFR 60 App B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(d), NSPS Subpart Dc

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(e)(1), NSPS Subpart Dc

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Applicable Federal Requirement: 40CFR 60.48c(e)(2), NSPS Subpart Dc

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO₂ emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(e)(3), NSPS Subpart Dc

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average percent of potential SO₂ emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(e)(4), NSPS Subpart Dc

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: B01 Emission Source: S0004

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Identification of any steam generating unit operating days for which SO₂ or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(e)(7), NSPS Subpart Dc

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(e)(11), NSPS Subpart Dc

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph §60.48c(f)(1)(2) or (3). In addition to records of fuel supplier certification, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Condition 101: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(i), NSPS Subpart Dc

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B01 Emission Source: S0004

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

requirements.

**** NOTE**** Records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(c)

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B02 Emission Source: S0005

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Montefiore Medical Center is required to stack test the mid-size boiler (Emission Source S0005 - the 68.4 MM Btu/hr Cleaver-Brooks boiler) for NOx emission limit compliance. The 68.4 MM Btu/hr Cleaver-Brooks boiler operates on # 2 fuel oil only (Process B02).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NOx RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on # 2 fuel oil only is 0.12 pounds of NOx per million Btus. Montefiore



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Medical Center is required to comply with the NO_x emission limit of 0.12 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.12 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Source S0005). The NO_x RACT for mid-size boilers operating on distillate oil is a limit of 0.12 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.12 pounds per million Btus
Reference Test Method: METHOD 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

**Condition 105: This is the optional condition for gas or distillate fired midsized boilers. If they opt not to use this method then 227-2.4(c)(2) applies.
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(i)

Item 105.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: B02 Emission Source: S0005

Item 105.2:

Boilers firing natural gas and/or distillate oil shall utilize low NO_x Burners.

**Condition 106: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011**

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B02 Emission Source: S0005

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following unit shall perform testing to verify NO_x emissions to demonstrate compliance with this part.

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NO_x emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

This condition applies to the 68.4 MM Btu/hr Cleaver-Brooks boiler (Emission Source S0005). The NO_x RACT for # 2 fuel oil (distillate oil) boilers is a limit of 0.12 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 107.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Emission Unit: U-00001 Emission Point: E0001
Process: B02 Emission Source: S0005

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS Requirements:

This is an optional condition for the 68.4 MM Btu/hr
Cleaver-Brooks boiler (Emission Source S0005).

The owner/operator of a mid-size boiler (Emission Source
S0005 - the 68.4 MM Btu/hr Cleaver-Brooks boiler) may opt
to employ a continuous emissions monitoring system (CEMS),
or equivalent, in lieu of the monitoring requirements to
perform compliance stack (emission) tests as described in
subdivision (c) of this section in order to verify the NO_x
emission limit compliance. Those owners/operators of
mid-size boilers which opt to monitor emissions with a
CEMS or equivalent shall follow the requirements of
subdivision (b) of this section to demonstrate compliance,
including a 24 hour daily arithmetic average NO_x emission
rate.

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

Manufacturer Name/Model Number: CEMS for the CLEAVER-BROOKS DL-76-RH

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: METHOD 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 108: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: B02 Emission Source: S0005

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Montefiore Medical Center is required to perform testing the mid-size boiler (Emission Source S0005 - the 68.4 MM Btu/hr Cleaver-Brooks boiler) to verify the NO_x emission limit compliance. The 68.4 MM Btu/hr Cleaver-Brooks boiler operates on # 2 fuel oil only (Process B02).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on # 2 fuel oil only have a limit of 0.12 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

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

1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.
 - i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

approved by the department.

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

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

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: METHOD 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 109: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO_x RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

(a) 9.0 grams per brake horsepower-hour through March 31, 2005;

(b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 111.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance stack tests as described in subdivision (c) of this section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: CEMS
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a daily basis, the facility will keep records of:

1. The natural gas fuel usage for each internal combustion engine in cubic feet per day and
2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

to demonstrate compliance with Subpart 2.6(a). Also, the NOx emissions must be measured in accordance with emission test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NOx RACT rules. The NOx emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: BNG Emission Source: S0001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(1)The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2)The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

8-1/8 Manufacturer Name/Model Number: CEMS for the 13.5 MM Btu/hr COLTEC, M/N 38 ETDD

Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: App A, Method 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 114: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 114.1:
The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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

1. submit compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:
3. for stationary internal combustion engines, utilize



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.

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

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 115: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: BNG Emission Source: S0002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO_x RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 116: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

(a) 9.0 grams per brake horsepower-hour through March 31, 2005;

(b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 117.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance stack tests as described in subdivision (c) of this section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 118: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: BNG Emission Source: S0002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a daily basis, the facility will keep records of:

1. The natural gas fuel usage for each internal combustion engine in cubic feet per day and

2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions to demonstrate compliance with Subpart 2.6(a). Also, the



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

NOx emissions must be measured in accordance with emission test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NOx RACT rules. The NOx emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

(1)The owner or operator of a source subject to paragraph

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



(a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

8-1/8 Manufacturer Name/Model Number: CEMS for the 13.5 MM Btu/hr COLTEC, M/N 38 ETDD

Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: App A, Method 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 120: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: BNG

Emission Source: S0002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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

1. submit compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:
3. for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

another reference method approved by the department.

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

Manufacturer Name/Model Number: 13.5 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 121: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO_x RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

The three COLTEC stationary internal combustion engines



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

(Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 122: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



beginning April 1, 2005.

The owner or operator of a stationary internal combustion engine of 225 horsepower (200 horsepower beginning April 1, 2005) or larger in the severe ozone non-attainment area, that provides primary power or is used for peak shaving generation, must comply with the following NO_x RACT emission limit for a lean burn internal combustion engine, firing natural gas, and with compression ignition source:

(a) 9.0 grams per brake horsepower-hour through March 31, 2005;

(b) 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 123: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: BNG

Emission Source: S0003

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard for a lean burn internal combustion engine with compression ignition source is 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

The owner or operator of stationary internal combustion engines may choose to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform initial compliance stack tests as described in subdivision (c) of this section. Also, the NO_x emissions must be measured in accordance with the emission test requirements as described in subdivision (c) of this section. Those internal combustion engines which choose to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

Compliance with this NO_x emission limit must be determined with a 1-hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to utilize a CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If a CEMS is utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24-hour averaging period.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: CEMS
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a daily basis, the facility will keep records of:

1. The natural gas fuel usage for each internal combustion engine in cubic feet per day and
2. The hours of operation for each internal combustion engine in hours per day.

Records will be maintained for five years at the facility.

The owner or operator of stationary internal combustion engines shall perform compliance stack tests as described in subdivision (c) of this section to verify NO_x emissions to demonstrate compliance with Subpart 2.6(a). Also, the NO_x emissions must be measured in accordance with emission



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

test requirements as described in subdivision (c) of this section.

The purpose of the stack test program is to establish emission levels for the three COLTEC lean burn natural gas/number 2 fuel oil fired internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, and to compare them to the established emissions limits set forth in 6 NYCRR 227-2.4(f)(2)(ii). The New York State Department of Environmental Conservation (NYSDEC) sets these emissions limits as part of the NO_x RACT rules. The NO_x emission limit for lean burn internal combustion engines with compression ignition source is the standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005.

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 125: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

(b) CEMS Requirements:

(1)The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2) The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

Manufacturer Name/Model Number: CEMS for the 20.2 MM Btu/hr COLTEC, M/N 38 ETDD

8-1/8

Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: App A, Method 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 126: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0003

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The three COLTEC stationary internal combustion engines (Emission Sources S0001, S0002 & S0003) in Emission Unit U-00001, are 13.5 MM Btu/hr, 13.5 MM Btu/hr and 20.2 MM Btu/hr each respectively. These three engines fire both natural gas (Process BNG) and number 2 fuel oil (Process B01/B02), are lean burn internal combustion engines with compression ignition source. Stack testing will be required in order to demonstrate compliance with the NO_x RACT emission limit regulatory standard of 9.0 grams per brake horsepower-hour through March 31, 2005, and 2.3 grams per brake horsepower-hour beginning April 1, 2005, for lean burn internal combustion engines with compression ignition source.

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

1. submit compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. utilize the following procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and the Administrator for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and must, in addition, follow the procedures set forth in Part 202 of this Title:
3. for stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR part 60, Appendix A or another reference method approved by the department.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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

Manufacturer Name/Model Number: 20.2 MM Btu/hr COLTEC, M/N 38 ETDD 8-1/8

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 127: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.4(c)

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001

Process: BNG Emission Source: S0004

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Montefiore Medical Center is required to stack test the mid-size boiler (Emission Source S0004 - 98 MM Btu/hr Babcock Wilcox FM 106 boiler) in order to demonstrate compliance with the NOx RACT emission limit regulatory standard of 0.10 pounds per million Btus when firing natural gas. The 98 MM Btu/hr Babcock Wilcox FM 106 boiler operates on distillate oil (Process B01) and on natural gas (Process BNG).

A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



other heat transfer medium.

To comply with this Subpart, owners or operators of mid-size boilers must meet the requirements of either paragraph (1) or (2) of this subdivision by May 31, 1995. The emission limit for NO_x RACT for mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) operating on natural gas is 0.10 pounds of NO_x per million Btus. Montefiore Medical Center is required to comply with the NO_x emission limit of 0.10 lbs/MM Btus under the NO_x RACT plan for mid-size boilers.

Compliance with the 0.10 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6(a)(2) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6(b) of this Subpart apply, including the use of a 24 hour averaging period.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004). The NO_x RACT for mid-size boilers operating on natural gas has an emission limit regulatory standard of 0.10 pounds per million Btu per hour.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E, or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 128: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(4)

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: BNG

Emission Source: S0004

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of mid-size boilers (>50 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A device with maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour, that combusts any fuel and produces steam or heats water or any other heat transfer medium.

The facility shall perform testing on the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004) to verify NOx emissions to demonstrate compliance with this part.

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission source S0004). The NOx RACT for boilers operating on natural gas is a limit of 0.10 pounds per million Btu per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 129: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0001

Process: BNG

Emission Source: S0004

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Optional:

The owner or operator of a mid-size boiler (> 50 and equal to or < 100 MM Btu/hr) may opt to employ a continuous emissions monitoring system (CEMS), or equivalent, in lieu of the monitoring requirements to perform compliance stack (emission) tests as described in subdivision (c) of this section in order to verify the NO_x emission limit compliance. Those owners/operators of mid-size boilers which opt to monitor emissions with a CEMS or equivalent shall follow the requirements of subdivision (b) of this section to demonstrate compliance, including a 24 hour daily arithmetic average NO_x emission rate.

(b) CEMS Requirements:

(1)The owner or operator of a source subject to paragraph (a)(1), (2), or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit for department approval:

(i) a preliminary CEMS plan as part of the compliance plan if it has a CEMS in place, or are in the process of procuring or installing a CEMS;

(ii) a preliminary CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed equivalent monitoring plan.

(2)The owner or operator of a source subject to paragraph (a)(1), (2) or (5) of this section that is obligated to submit a compliance plan required under section 227-2.3(a) and (b) of this Subpart must submit a CEMS certification protocol at least 60 days prior to compliance testing. The location of and specifications for each instrument or device, as well as procedures for calibration, operation,

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



data evaluation and data reporting, must be approved by the department.

(3) The owner or operator of a stationary internal combustion engine (source) subject to paragraph (a)(1), (2) or (5) of this section must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the appropriate NO_x emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of a source subject to paragraphs (a)(1) and (2) of this section must:

(a) calculate all 24-hour daily heat input weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19 for non-turbine sources. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1 to April 30 for non-turbine sources; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 midnight to 12:00 midnight the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one hour period starting with the period 12:00 midnight to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 midnight; or starting with the period 12:00 noon to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 noon. The 30-day rolling heat input-weighted average must be the average of the 24-hour



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

daily heat input-weighted NO_x emission rate.

Manufacturer Name/Model Number: CEMS for the BABCOCK WILCOX FM 106

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN
- APP. A, METHOD 19)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

Subsequent reports are due every 3 calendar month(s).

Condition 130: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Montefiore Medical Center is required to perform testing the mid-size boiler (Emission Source S0004 - the 98 MM Btu/hr Babcock Wilcox FM 106 boiler) to verify the NO_x emission limit compliance. The 98 MM Btu/hr Babcock Wilcox FM 106 boiler operates on distillate oil (Process B01) and on natural gas (BNG).

The owner/operator of mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers operating on natural gas have a limit of 0.10 pounds of NO_x per million Btus under the NO_x RACT plan for mid-size boilers.

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

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



1. Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions 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 must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 50 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

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

This condition applies to the 98 MM Btu/hr Babcock Wilcox FM 106 boiler (Emission Source S0004).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 131: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 131.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 131.2:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Condition 132: EPA Region 2 address.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 132.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 132.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 133: Date of Construction Notification - if a COM is used.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(a), NSPS Subpart A

Item 133.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 133.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

Condition 134: Recordkeeping requirements.
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

Item 134.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 134.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 135: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 135.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 136: Excess Emissions Report

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

Item 136.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 136.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 137: Facility files for subject sources.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.7(f), NSPS Subpart A

Item 137.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 137.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 138: Performance testing timeline.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 138.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 138.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 139: Performance test methods.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(b), NSPS Subpart A

Item 139.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 139.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 140: Required performance test information.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(c), NSPS Subpart A

Item 140.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 140.2:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 141: Prior notice.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(d), NSPS Subpart A

Item 141.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 141.2:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 142: Performance testing facilities.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.8(e), NSPS Subpart A

Item 142.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 142.2:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 143: Number of required tests.

Effective between the dates of 09/20/2006 and 09/19/2011



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Applicable Federal Requirement: 40CFR 60.8(f), NSPS Subpart A

Item 143.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 143.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 144: Availability of information.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 144.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 144.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

Condition 145: Opacity standard compliance testing.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 145.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 145.2:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 146: Circumvention.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 146.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 146.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 147: Monitoring requirements.

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 147.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001
Process: BNG Emission Source: S0004

Item 147.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 148: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.2

Item 148.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST009

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Description:

ETO Sterilizers will be operated once a day, five days a week and 52 weeks a year.

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ETHYLENE OXIDE

Manufacturer Name/Model Number: AMSCO EtO abator (DONALDSON abator)

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 99 percent

Reference Test Method: EPA APPROVED METHOD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 149: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.3(a)

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Process: ETO

Emission Source: ST009

Regulated Contaminant(s):

CAS No: 000075-21-8 ETHYLENE OXIDE

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

EtO sterilization - abator operation required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Montefiore Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator (AMSCO 50 CFM EtO abator), which is identified as Emission Control ST012 in Emission Unit U-00002.

The two new ethylene oxide sterilizer (Emission Sources ST007 & ST008) have a built in aerator and are equipped with an abator (Emission Control ST009) which controls the EtO emission to a maximum of 0.0204 pounds per hour in Emission Point 00002 and Emission Unit U-00020. The EtO gas emissions from the sterilizers are exhausted through the abator after being reduced to 0.0204 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point E0002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

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

Manufacturer Name/Model Number: AMSCO EtO abator (DONALDSON abator)

Parameter Monitored: ETHYLENE OXIDE



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Upper Permit Limit: 0.0204 pounds per hour
Reference Test Method: Part 60, Method 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 150: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST009

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 151: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST009

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.
2. The quantity of sterilization gas used in pounds per hour, per day and per year.
3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: AMSCO EtO abator (DONALDSON abator)

Reference Test Method: Keep Records

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 152: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.2

Item 152.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST012

Regulated Contaminant(s):

CAS No: 000075-21-8 ETHYLENE OXIDE

Item 152.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ETO Sterilizers will be operated once a day, five days a week and 52 weeks a year.

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



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: ETHYLENE OXIDE
Manufacturer Name/Model Number: AMSCO 50 CFM EtO Abator
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 99 percent
Reference Test Method: EPA APPROVED METHOD
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 153: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.3(a)

Item 153.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST012

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 153.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

EtO sterilization - abator operation required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Montefiore Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator (AMSCO 50 CFM EtO abator), which is identified as Emission Control ST012 in Emission Unit U-00002.

The two new ethylene oxide sterilizer (Emission Sources ST010 & ST011) have a built in aerator and are equipped with an abator (Emission Control ST012) which controls the EtO emission to a maximum of 0.0204 pounds per hour in Emission Point 00020 and Emission Unit U-00002. The EtO gas emissions from the sterilizers are exhausted through the abator after being reduced to 0.0204 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point E0002 in Emission Unit U-00002 and then, the EtO gas emissions are discharged out to the atmosphere.

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

Manufacturer Name/Model Number: AMSCO 50 CFM EtO Abator
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.0204 pounds per hour
Reference Test Method: Part 60, Method 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 154: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 154.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST012

Item 154.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 155: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 155.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0002
Process: ETO Emission Source: ST012

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 155.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The EtO abator must be in operation whenever EtO sterilization is conducted. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.
2. The quantity of sterilization gas used in pounds per hour, per day and per year.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

3. The date and time of sterilizer and/or abator malfunctions and maintenance.
4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: AMSCO 50 CFM EtO Abator
Reference Test Method: Keep Records
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 156: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.334, NSPS Subpart GG

Item 156.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The type and amount of fuel burned in the combustion turbine and duct burner must be monitored and recorded within an accuracy of +/-5 %.

Reference Test Method: Part 60 Appendix B & F
Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 157: Test methods and procedures for NOx emission testing
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.335(b), NSPS Subpart GG

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 157.1:

This Condition applies to Emission Unit: U-C0003

Item 157.2:

The owner or operator shall determine compliance with the applicable nitrogen oxides emission limitation in §60.332 and shall meet the performance test requirements of §60.8 as follows:

(1) For each run of the performance test, the mean nitrogen oxides emission concentration (NO_{xo}) corrected to 15 percent O₂ shall be corrected to ISO standard conditions using the following equation. Notwithstanding this requirement, use of the ISO correction equation is optional for: Lean premix stationary combustion turbines; units used in association with heat recovery steam generators (HRSG) equipped with duct burners; and units equipped with add-on emission control devices:

$$\text{NO}_x = (\text{NO}_{xo}) (\text{Pr}/\text{Po})^{0.5} e^{19 (\text{Ho} - 0.00633) (288^\circ\text{K}/\text{Ta})^{1.53}}$$

Where:

NO_x = emission concentration of NO_x at 15 percent O₂ and ISO standard ambient conditions, ppm by volume, dry basis, NO_{xo} = mean observed NO_x concentration, ppm by volume, dry basis, at 15 percent O₂, Pr = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg, Po = observed combustor inlet absolute pressure at test, mm Hg, Ho = observed humidity of ambient air, g H₂O/g air, e = transcendental constant, 2.718, and Ta = ambient temperature, °K.

(2) The 3-run performance test required by §60.8 must be performed within ±5 percent at 30, 50, 75, and 90-to-100 percent of peak load or at four evenly-spaced load points in the normal operating range of the gas turbine, including the minimum point in the operating range and 90-to-100 percent of peak load, or at the highest achievable load point if 90-to-100 percent of peak load cannot be physically achieved in practice. If the turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel. Notwithstanding these requirements, performance testing is not required for any emergency fuel (as defined in §60.331).

(3) For a combined cycle turbine system with supplemental heat (duct burner), the owner or operator may elect to measure the turbine NO_x emissions after the duct burner rather than directly after the turbine. If the owner or operator elects to use this alternative sampling location, the applicable NO_x emission limit in §60.332 for the combustion turbine must still be met.

(4) If water or steam injection is used to control NO_x with no additional post-combustion NO_x control and the owner or operator chooses to monitor the steam or water to fuel ratio in accordance with §60.334(a), then that monitoring system must be operated concurrently with each EPA Method 20, ASTM D6522-00 (incorporated by reference, see §60.17), or EPA Method 7E run and shall be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.332 NO_x emission limit.

(5) If the owner operator elects to claim an emission allowance for fuel bound nitrogen as described in §60.332, then concurrently with each reference method run, a representative sample of the fuel used shall be collected and analyzed, following the applicable procedures described in §60.335(b)(9). These data shall be used to determine the maximum fuel nitrogen content for which the established water (or steam)

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



to fuel ratio will be valid.

(6) If the owner or operator elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately (as described in paragraph (b)(7) of this section) or as part of the initial performance test of the affected unit.

(7) If the owner or operator elects to install and certify a NO_x CEMS under §60.334(e), then the initial performance test required under §60.8 may be done in the following alternative manner:

(i) Perform a minimum of 9 reference method runs, with a minimum time per run of 21 minutes, at a single load level, between 90 and 100 percent of peak (or the highest physically achievable) load.

(ii) Use the test data both to demonstrate compliance with the applicable NO_x emission limit under §60.332 and to provide the required reference method data for the RATA of the CEMS described under §60.334(b).

(iii) The requirement to test at three additional load levels is waived.

(8) If the owner or operator is required under §60.334(f) to monitor combustion parameters or parameters indicative of proper operation of NO_x emission controls, the appropriate parameters shall be continuously monitored and recorded during each run of the initial performance test, to establish acceptable operating ranges, for purposes of the parameter monitoring plan for the affected unit, as specified in §60.334(g).

(9) To determine the fuel bound nitrogen content of fuel being fired (if an emission allowance is claimed for fuel bound nitrogen), the owner or operator may use equipment and procedures meeting the requirements of:

(i) For liquid fuels, ASTM D2597–94 (Reapproved 1999), D6366–99, D4629–02, D5762–02 (all of which are incorporated by reference, see §60.17); or

(ii) For gaseous fuels, shall use analytical methods and procedures that are accurate to within 5 percent of the instrument range and are approved by the Administrator.

(10) If the owner or operator is required under §60.334(i)(1) or (3) to periodically determine the sulfur content of the fuel combusted in the turbine, a minimum of three fuel samples shall be collected during the performance test. Analyze the samples for the total sulfur content of the fuel using:

(i) For liquid fuels, ASTM D129–00, D2622–98, D4294–02, D1266–98, D5453–00 or D1552–01 (all of which are incorporated by reference, see §60.17); or

(ii) For gaseous fuels, ASTM D1072–80, 90 (Reapproved 1994); D3246–81, 92, 96; D4468–85 (Reapproved 2000); or D6667–01 (all of which are incorporated by reference, see §60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the prior approval of the Administrator.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

(11) The fuel analyses required under paragraphs (b)(9) and (b)(10) of this section may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.

Condition 158: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 158.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

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

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

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS down time, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS down time period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedances and the duration of exceedances expressed as a percentage of the total time which the COMS are required to record data.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 159: Compliance Certification
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 159.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



monitor (COM).

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 11/29/2006.
Subsequent reports are due every 3 calendar month(s).

Condition 160: Capping Monitoring Condition
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 160.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 160.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 160.3:

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.

Item 160.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 160.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 160.6:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Emission Unit: U-C0003 Emission Point: EP003
Process: P03 Emission Source: ES006

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 160.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The natural gas usage for the gas combustion turbine-generator and duct burner combination (Emission Sources ES006 & ES007) in Processes P03 & P06 shall not exceed 714 million cubic feet of gas per year, based upon an annual 12- month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resettable gas flow meter on the turbine/duct burner gas supply line. The gas flow meter is manufactured by MicroMotion Model CMF200M419NC and the gas flow meter transmitter is MicroMotion Elite Remote Flow Transmitter Model RFT9739E58CA. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT9739E58CA

Upper Permit Limit: 714 million cubic feet per year

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 161: Capping Monitoring Condition

Effective between the dates of 09/20/2006 and 09/19/2011

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Stack testing:

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

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

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

Parameter Monitored: OXIDES OF NITROGEN

Lower Permit Limit: 90 percent

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Subsequent reports are due every 6 calendar month(s).

Condition 162: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 162.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P03 Emission Source: ES006

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 90% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P03 (natural gas) and Emission Source S0006 (4.83 megawatt Solar Taurus 60 turbine). Emission Control S0008 (GOALLINE/SCONOX) is the emission control for Emission Sources S0006 and S0007.

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

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT97T9739E58CA

Parameter Monitored: OXIDES OF NITROGEN

Lower Permit Limit: 90 percent

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Subsequent reports are due every 6 calendar month(s).

Condition 163: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 163.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P04

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Condition 164: Capping Monitoring Condition

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 164.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 164.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 164.3:

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.

Item 164.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 164.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 164.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P04 Emission Source: ES006

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 164.7:

Compliance Certification shall include the following monitoring:

Capping: Yes



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The distillate oil usage for the combustion turbine-generator (Emission Source ES006) in Process P04 shall not exceed 520,000 gallons per year, based upon an annual 12- month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resetable fuel flow meter on the oil supply line to the combustion turbine-generator. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Manufacturer Name/Model Number: Non-resetable fuel flow meter on the oil line to the gas turbine

Upper Permit Limit: 520 thousand gallons per year

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 165: Capping Monitoring Condition

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 165.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 165.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 165.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

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.

Item 165.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 165.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 165.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P04 Emission Source: ES006

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 165.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:
Stack testing:

Semi-annually, Montefiore Medical Center is required to stack test the 4.83 megawatt combustion turbine-generator to verify the NOx emissions compliance with 6 NYCRR 227-2.6(a) to reflect the compliance of the GOALLINE/SCONOX with the 80 % control efficiency of the NOx control when operating on distillate oil. The facility can be exempt from the semi-annually stack testing of the 4.83 megawatt combustion turbine-generator ONLY if the facility opts to install and employ CEMS (continuous emissions monitoring system) or equivalent to monitor the NOx emission. The requirements and procedures for CEMS are summarized in 6 NYCRR 227-2.6(b). The New York State Department of Environmental Conservation (NYSDEC) sets



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

these emission limits as part of the NOx emissions capping limit out of New Source Review, 6 NYCRR 231-2. Since EPA requires Title V facilities to have periodic monitoring, therefore, either a semi-annual stack testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pfleging at Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 80% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P04 (distillate oil) and Emission Source S0006 (4.83 megawatt Solar Taurus 60 turbine). Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

The facility is currently performing a semi-annual NOx performance test on Emission Sources S0006 & S0007. The facility has been submitting tests reports showing this 80% control efficiency when operating on distillate oil.

Manufacturer Name/Model Number: Non-resetable fuel flow meter on the oil line to the gas turbine

Parameter Monitored: OXIDES OF NITROGEN

Lower Permit Limit: 80 percent

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 166: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(2)

Item 166.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003

Process: P04 Emission Source: ES006



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 166.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 80% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P04 (distillate oil) and Emission Source S0006 (4.83 megawatt Solar Taurus 60 turbine). Emission Control S0008 (GOALLINE/SCONOX) is the emission control for Emission Sources S0006 and S0007.

The facility is currently performing a semi-annual NOx performance test on Emission Sources S0006 & S0007. The facility has been submitting tests reports showing this 80% control efficiency when operating on distillate oil.

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT97T9739E58CA

Parameter Monitored: OXIDES OF NITROGEN

Lower Permit Limit: 80 percent

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 167: Capping Monitoring Condition

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 167.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

Item 167.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 167.3:

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.

Item 167.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 167.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 167.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P06 Emission Source: ES007

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 167.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The natural gas usage for the gas combustion turbine-generator and duct burner combination (Emission Sources ES006 & ES007) in Processes P03 & P06 shall not exceed 714 million cubic feet of gas per year, based upon an annual 12- month rolling average. The facility shall monitor this limitation by installing and maintaining a non-resetable gas flow meter on the turbine/duct burner gas supply line. The gas flow meter is manufactured by



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

MicroMotion Model CMF200M419NC and the gas flow meter transmitter is MicroMotion Elite Remote Flow Transmitter Model RFT9739E58CA. The facility shall maintain a bound log of the monthly fuel records (from the meter) for a minimum of five (5) years.

Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT9739E58CA

Upper Permit Limit: 714 million cubic feet per year

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 168: Capping Monitoring Condition

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 168.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 168.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 168.3:

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.

Item 168.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 168.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 168.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003
Process: P06 Emission Source: ES007

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 168.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:
Stack testing:

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

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



testing or CEMS is required. According to an e-mail on 3/9/2004 from Mr. Ed Pflieger at Montefiore Medical Center to Diana Menasha of NYSDEC, Montefiore Medical Center has chosen to comply by performing the semi-annual stack testing.

The facility shall perform a semi-annual inspection and test (acceptable to the Commissioner) to prove the 90% control efficiency of the NOx control equipment installed, maintained, and operated at this facility for Process P06 (natural gas) and Emission Source ES007 (35 MM Btu/hr Forney Corp. duct burner). Emission Source ES007 (35 MM Btu/hr Forney Corp. duct burner) fires only natural gas and it is operated in conjunction with Emission Source ES006 (4.83 megawatt Solar Taurus 60 turbine). Emission Control ES008 (GOALLINE/SCONOX) is the emission control for Emission Sources ES006 and ES007.

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

Manufacturer Name/Model Number: MicroMotion Model CMF200M419NC, Elite Model RFT9739E58CA

Parameter Monitored: OXIDES OF NITROGEN

Lower Permit Limit: 90 percent

Reference Test Method: PT 60, APP A, M 7E

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 6 calendar month(s).

Condition 169: Compliance Certification

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 169.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-C0003 Emission Point: EP003

Process: P06 Emission Source: ES007

New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105



Item 169.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (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.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 170: Contaminant List
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable State Requirement: ECL 19-0301

Item 170.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 171: Unavoidable noncompliance and violations

Effective between the dates of 09/20/2006 and 09/19/2011

Applicable State Requirement: 6NYCRR 201-1.4

Item 171.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.



New York State Department of Environmental Conservation

Permit ID: 2-6002-00105/00002

Facility DEC ID: 2600200105

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 172: Air pollution prohibited
Effective between the dates of 09/20/2006 and 09/19/2011

Applicable State Requirement: 6NYCRR 211.2

Item 172.1:

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. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.