

**New York State Department of Environmental Conservation
Facility DEC ID: 2610300158**



**PERMIT
Under the Environmental Conservation Law (ECL)**

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6103-00158/00001
Mod 0 Effective Date: 01/25/2005 Expiration Date: 01/24/2010
Mod 1 Effective Date: 10/17/2005 Expiration Date: 01/24/2010
Mod 2 Effective Date: 03/14/2006 Expiration Date: 01/24/2010

Permit Issued To: THE NEW YORK METHODIST HOSPITAL
506 6TH ST
BROOKLYN, NY 11215-3609

Contact: JOSEPH IANNOTTI
NEW YORK METHODIST HOSPITAL
506 6TH STREET
BROOKLYN, NY 11215-3609
(718) 780-3309

Facility: NEW YORK METHODIST HOSPITAL
506 6TH ST
BROOKLYN, NY 11215

Contact: JOSEPH IANNOTTI
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506 6TH STREET
BROOKLYN, NY 11215-3609
(718) 780-3309

Description:

**PERMIT DESCRIPTION
New York Methodist Hospital
DEC ID # 2-6103-00158/00001 ATV (Ren 1 Mod 2)**

This is a minor modification to the Title V permit that was issued on 10/17/2005 (Ren 1 Mod 1). This project is for adding two (2) new exempt boilers (<10 MM BTU/hr) to the facility in the Medical Pavilion, which are considered to be exempt from permitting in accordance with 6 NYCRR 201-3.2(c). The make, model and the capacity of the two new exempt boilers are as follows:

Make: Weil McClain
Model: F-1288 W
Capacity: 3 MM BTU/hr



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Location: Medical Pavilion

These two exempt boilers are gas fired and are located in the Mechanical Room on the top of the fifth floor of the Medical Pavilion building.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including three (3) emergency power generating units to provide power <500 hrs/yr, four (4) distillate fuel oil storage tanks with storage capacities <300,000 bbls, an autoclave/steam sterilizer, three (3) research and development activities, and five (5) ventilating and exhaust systems for laboratory operations.

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:



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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



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Facility: NEW YORK METHODIST HOSPITAL
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Authorized Activity By Standard Industrial Classification Code:
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Mod 0 Permit Effective Date: 01/25/2005

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Mod 1 Permit Effective Date: 10/17/2005

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Mod 2 Permit Effective Date: 03/14/2006

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LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 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
- 1-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-4 6NYCRR 200.7: Maintenance of Equipment
- 1-5 6NYCRR 201-1.7: Recycling and Salvage
- 1-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-7 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1-8 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 1-13 6NYCRR 202-1.1: Required Emissions Tests
- 1-14 6NYCRR 211.3: Visible Emissions Limited
- 24 40CFR 68: Accidental release provisions.
- 25 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 201-1: General Provisions
- 2 6NYCRR 201-6: Emission Unit Definition
- *1-15 6NYCRR 201-7: Capping Monitoring Condition
- *1-16 6NYCRR 201-7: Capping Monitoring Condition
- 9 6NYCRR 225-1.8: Compliance Certification
- 10 6NYCRR 225.1(a)(3): Compliance Certification
- 11 6NYCRR 231-2: New Source Review in Non-attainment Areas and Ozone Transport Region
- 12 6NYCRR 231-2.3(a): Prohibitions
- 13 6NYCRR 231-2.4: Notification/Reporting requirements
- 14 6NYCRR 231-2.7: Netting
- 15 6NYCRR 231-2.8: Internal offsets, severe ozone non-attainment area only
- 16 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 17 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 18 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 19 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 20 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.



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- 21 40CFR 60.9, NSPS Subpart A: Availability of information.
- 22 40CFR 60.14, NSPS Subpart A: Modifications.
- 23 40CFR 60.15, NSPS Subpart A: Reconstruction

Emission Unit Level

- 26 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 27 6NYCRR 201-6: Process Definition By Emission Unit
- 1-17 6NYCRR 201-7: Emission Unit Permissible Emissions
- 1-18 6NYCRR 201-7: Process Permissible Emissions

EU=U-00001

- *1-19 6NYCRR 201-7: Capping Monitoring Condition
- 28 6NYCRR 227-2.4(d): Compliance Certification
- 29 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.

EU=U-00001,EP=00001

- 30 6NYCRR 227-1.3(a): Compliance Certification
- 31 6NYCRR 227.2(b)(1): Compliance Certification
- 32 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=00001,Proc=BOI

- 33 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 34 40CFR 60.40c, NSPS Subpart Dc: Compliance Certification
- 35 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 36 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 37 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
- 38 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.
- 39 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 40 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification
- 41 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

EU=U-00001,EP=00001,Proc=G45

- *1-20 6NYCRR 201-7: Capping Monitoring Condition

EU=U-00001,EP=00001,Proc=O45

- *1-21 6NYCRR 201-7: Capping Monitoring Condition
- 42 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate matter.
- 43 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 44 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification
- 45 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

EU=U-00002,EP=00002

- 46 6NYCRR 227-1.3(a): Compliance Certification



EU=U-00002,EP=00002,Proc=CNG,ES=00004

- 47 6NYCRR 227-2.4(f)(2): Compliance Certification
- 48 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification
- 49 6NYCRR 227-2.6(a)(2): Compliance Certification
- 50 6NYCRR 227-2.6(a)(7): Compliance Certification
- 51 6NYCRR 227-2.6(a)(7): Compliance Certification
- 52 6NYCRR 227-2.6(b): Compliance Certification
- 53 6NYCRR 227-2.6(c): Compliance Certification

EU=U-00002,EP=00003

- 54 6NYCRR 227-1.3(a): Compliance Certification

EU=U-00002,EP=00003,Proc=CNG,ES=00005

- 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(a)(7): Compliance Certification
- 60 6NYCRR 227-2.6(b): Compliance Certification
- 61 6NYCRR 227-2.6(c): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 62 ECL 19-0301: Contaminant List
- 63 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 66 6NYCRR 211.2: Air pollution prohibited

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



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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

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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

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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



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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 1-1: Acceptable Ambient Air Quality
Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 200.6

Item 1-1.1:

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



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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 1-2: Fees

Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-2.1:

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 01/25/2005 and 01/24/2010

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 01/25/2005 and 01/24/2010

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



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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 01/25/2005 and 01/24/2010

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.

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(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.

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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.

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 7/30/2005.

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

Condition 6: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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:

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

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USEPA Region 2
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 1/30/2006.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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.

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

Condition 8: Recordkeeping requirements



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Effective between the dates of 01/25/2005 and 01/24/2010

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 1-3: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 215

Item 1-3.1:

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 1-4: Maintenance of Equipment
Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 200.7

Item 1-4.1:

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.

Condition 1-5: Recycling and Salvage



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Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 1-5.1:

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 1-6: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 1-6.1:

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 1-7: Exempt Sources - Proof of Eligibility

Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-7.1:

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 1-8: Trivial Sources - Proof of Eligibility

Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-8.1:

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.



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Condition 1-9: Standard Requirement - Provide Information
Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-9.1:

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 1-10: General Condition - Right to Inspect
Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-10.1:

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 1-11: Standard Requirements - Progress Reports
Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-11.1:

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:

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance,



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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 1-12: Off Permit Changes

Effective between the dates of 10/17/2005 and 01/24/2010

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

Item 1-12.1:

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 1-13: Required Emissions Tests

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 1-13.1:

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 1-14: Visible Emissions Limited

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 211.3



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Item 1-14.1:

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 24: Accidental release provisions.

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 68

Item 24.1:

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 25: Recycling and Emissions Reduction

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 25.1:

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.



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Condition 1: General Provisions

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-1

Item 1.1:

Subpart 201-1 contains general provisions for the state air permitting program including purpose, unpermitted sources, change in ownership, unavoidable noncompliance, emergency defense, public participation, recycling and salvage, prohibiting the reintroduction of collected air contaminants, program delegation and public access to recordkeeping.

Condition 2: Emission Unit Definition

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 2.1(From Mod 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 four (4) dual fuel external combustion Cleaver Brooks boilers (Emission Sources 00001, 00002, E0004 & E0005) in Emission Unit U-00001. The four boilers provide heat and hot water to the hospital, and are capable of firing either number 2 fuel oil (Process BOI) or natural gas (Process BNG). Natural gas as the primary fuel and number 2 fuel oil as the secondary fuel. Flue gases from these processes exit through a common stack (Emission Point 00001) connected to the boilers. The four boilers at New York Methodist Hospital are identified as:

One existing (since 1996) Cleaver Brooks CB-200-600 boiler of capacity of 25.1 MM Btu/hr, Emission Source 00001.

One existing (since 1996) Cleaver Brooks CB-200-750 boiler of capacity 31.4 MM Btu/hr, Emission Source 00002.

Two new (installed in 2004) Cleaver Brooks CBLE 200 750 200ST boilers of capacity of 30.6 MM Btu/hr each, Emission Sources B0004 & B0005.

Typically, two boilers are in operation and the other two boilers are on stand-by. For the two new Cleaver Brooks boilers, typically, one boiler will be on 50% of the time on number 2 fuel oil and the other 50% of the time on



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natural gas. The other new boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Building(s): 1

Item 2.2(From Mod 0):

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 two (2) internal combustion cogeneration engines that burn natural gas (Process CNG) only. These cogeneration engines are rated at 940 kw (1259.6 hp or 3.21 MM Btu/hr) each and they are identified as Emission Sources 00004 & 00005. Flue gases exit through two separate identical stacks (Emission Points 00002 & 00003). Emission Point 00002 is associated with Emission Source 00004, and Emission Point 00003 is associated with Emission Source 00005. Typically, both engines are operated 85% of the time, except for repair and maintenance.

Building(s): 1

Condition 1-15: Capping Monitoring Condition

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-15.1:

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 1-15.2:

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

Item 1-15.3:

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.



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Item 1-15.4:

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 1-15.5:

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 1-15.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-15.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility will cap the NOx emissions at 42 tpy for the four boilers and the two cogeneration engines, which are Emission Sources 00001, 00002, E0004, E0005, 00004 & 00005 respectively. This will be accomplished by restricting the facility-wide consumption of natural gas alone to below 566 million cubic feet per year, or by restricting the facility-wide consumption of natural gas and number 2 fuel oil combination to below 132 million cubic feet per year for natural gas and to below 3.1 million gallons per year for number 2 fuel oil.

In the event of consuming less natural gas and more number 2 fuel oil, the facility-wide NOx emissions will remain constant at 42 TPY, and compliance will be demonstrated by fuel records and submittal of the Annual Emission Statements on April 15 of each year.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 1-16: Capping Monitoring Condition

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-16.1:

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 1-16.2:

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

Item 1-16.3:

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 1-16.4:

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 1-16.5:

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 1-16.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-16.7:

Compliance Certification shall include the following monitoring:

Capping: Yes



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

Monitoring Description:

The facility will cap the NOx emissions at 42 tpy for the four boilers and the two cogeneration engines, which are Emission Sources 00001, 00002, E0004, E0005, 00004 & 00005 respectively. This will be accomplished by restricting the facility-wide consumption of natural gas alone to below 566 million cubic feet per year, or by restricting the facility-wide consumption of natural gas and number 2 fuel oil combination to below 132 million cubic feet per year for natural gas and to below 3.1 million gallons per year for number 2 fuel oil.

In the event of consuming less natural gas and more number 2 fuel oil, the facility-wide NOx emissions will remain constant at 42 TPY, and compliance will be demonstrated by fuel records and submittal of the Annual Emission Statements on April 15 of each year.

Process Material: NATURAL GAS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 566 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 9: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Item 9.2:

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



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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 7/30/2005.

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

Condition 10: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 225.1(a)(3)

Item 10.1:

The Compliance Certification activity will be performed for the Facility.

Item 10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any



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distillate oil which has sulfur content greater than 0.20 percent by weight. 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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 11: New Source Review in Non-attainment Areas and Ozone Transport Region
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 231-2

Item 11.1:

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, in the New York City metropolitan area, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Condition 12: Prohibitions
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 231-2.3(a)

Item 12.1:

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, in the New York City metropolitan area, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Actual construction of a proposed source project or new major facility without a permit is prohibited.

Condition 13: Notification/Reporting requirements



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Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 231-2.4

Item 13.1:

At least sixty (60) days prior to the scheduled commence operation date of the proposed source project or proposed major facility, the permittee shall submit any changes to the list of offset sources included in this permit. For each such change, the applicant must submit another "Use of Emission Reduction Credits Form" signed by the applicant and an authorized representative of the new offset source.

Item 13. 2:

The facility shall submit to the DEC Regional office a letter of confirmation that each future emission reduction, if any, used to provide emission offsets for this facility has physically occurred. This letter should be submitted, not less than 10 working days, prior to the facility's scheduled start-up date.

Item 13.3:

This permit shall be subject to revocation if construction is not commenced within 18 months from the date of issuance of such permit or if construction is discontinued for a period of 18 months or more (excluding any period of time that the permit is subject to challenge in State or Federal court), or if construction is not completed within a reasonable time acceptable to the Department.

Condition 14: Netting

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 231-2.7

Item 14.1:

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, in the New York City metropolitan area, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Pursuant to section 231-2.7, existing major facilities may avoid the requirements of Subpart 231-2 by conducting a netting analysis. This is done by utilizing the following equation:

$$NEI = PEP + CEI - ERCs$$

where

NEI = net emission increase

PEP = project emission potential for the proposed source project

CEI = creditable emission increases

ERCs = emission reduction credits

All of the creditable emission increases and emission reduction credits must have occurred at the facility for which the netting analysis is being conducted and must have occurred during the contemporaneous period for the proposed project. If the net emission increase is less than the



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threshold values incorporated into sections 231-2.12 and 231-2.13, then the proposed source project is not subject to the requirements of Subpart 231-2.

Condition 15: Internal offsets, severe ozone non-attainment area only
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 231-2.8

Item 15.1:

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, in the New York City metropolitan area, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Pursuant to section 231-2.8, existing major facilities located in the severe ozone non-attainment area may avoid the requirements of Subpart 231-2 by using emission reduction credits (as internal offsets) created at the facility to offset the project emission potential of the proposed project.

Condition 16: EPA Region 2 address.
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 16.1:

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 17: Recordkeeping requirements.
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 17.1:

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 18: Excess emissions report.

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 18.1:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), 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 and 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.

Condition 19: Excess emissions report.

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 19.1:

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 20: Facility files for subject sources.

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 20.1:



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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 performance evaluations; all continuous 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 inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 21: Availability of information.
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 21.1:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 22: Modifications.
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 22.1:

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 23: Reconstruction
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 23.1:

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;

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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.

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

Condition 26: Emission Point Definition By Emission Unit
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 26.1(From Mod 1):

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 160

Diameter (in.): 66

NYTMN (km.): 4502.2

NYTME (km.): 586.2

Building: 1

Item 26.2(From Mod 0):

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 130

Diameter (in.): 20

NYTMN (km.): 4502.423

NYTME (km.): 586.233

Building: 1

Emission Point: 00003

Height (ft.): 130

Diameter (in.): 20

NYTMN (km.): 4502.423

NYTME (km.): 586.233

Building: 1

Condition 27: Process Definition By Emission Unit

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 27.1(From Mod 0):

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

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Process Description:

Process BNG is the burning of natural gas as the primary fuel in the four (4) external combustion Cleaver Brooks boilers (Emission Sources 00001, 00002, B0004 & B0005) in Emission Unit U-00001. The four boilers provide heat and hot water to the hospital. Flue gases from this process exit through a common stack (Emission Point 00001) connected to the boilers. The four boilers at New York Methodist Hospital are identified as:

One existing (since 1996) Cleaver Brooks CB-200-600 boiler of capacity of 25.1 MM Btu/hr, Emission Source 00001.

One existing (since 1996) Cleaver Brooks CB-200-750 boiler of capacity 31.4 MM Btu/hr, Emission Source 00002.

Two new (installed in 2004) Cleaver Brooks CBLE 200 750 200ST boilers of capacity of 30.6 MM Btu/hr each, Emission Sources B0004 & B0005.

Typically, two boilers are in operation and the other two boilers are on stand-by. For the two new Cleaver Brooks boilers, typically, one boiler will be on 50% of the time on number 2 fuel oil and the other 50% of the time on natural gas. The other new boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Emission Source/Control: 00001 - Combustion
Design Capacity: 25.1 million Btu per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: B0004 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: B0005 - Combustion
Design Capacity: 30.6 million Btu per hour

Item 27.2(From Mod 0):

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

Emission Unit: U-00001

Process: BOI

Source Classification Code: 1-03-004-01



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Permit ID: 2-6103-00158/00001

Facility DEC ID: 2610300158

Process Description:

Process BOI is the burning of number 2 fuel oil as the secondary fuel in the four (4) external combustion Cleaver Brooks boilers (Emission Sources 00001, 00002, E0004 & E0005) in Emission Unit U-00001. The four boilers provide heat and hot water to the hospital. Flue gases from this process exit through a common stack (Emission Point 00001) connected to the boilers. The four boilers at New York Methodist Hospital are identified as:

One existing (since 1996) Cleaver Brooks CB-200-600 boiler of capacity of 25.1 MM Btu/hr, Emission Source 00001.

One existing (since 1996) Cleaver Brooks CB-200-750 boiler of capacity 31.4 MM Btu/hr, Emission Source 00002.

Two new (installed in 2004) Cleaver Brooks CBLE 200 750 200ST boilers of capacity of 30.6 MM Btu/hr each, Emission Sources B0004 & B0005.

Typically, two boilers are in operation and the other two boilers are on stand-by. For the two new Cleaver Brooks boilers, typically, one boiler will be on 50% of the time on number 2 fuel oil and the other 50% of the time on natural gas. The other new boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Emission Source/Control: 00001 - Combustion
Design Capacity: 25.1 million Btu per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: B0004 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: B0005 - Combustion
Design Capacity: 30.6 million Btu per hour

Item 27.3(From Mod 1):

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

Emission Unit: U-00001

Process: G45

Source Classification Code: 1-03-006-02



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Process Description:

Process G45 is the burning of natural gas in the two new 30.6 MM Btu/hr Cleaver Brooks boilers (Emission Sources B0004 & B0005) in Emission Unit U-00001. The two boilers provide heat and hot water to the hospital. Flue gases from this process exit through a common stack (Emission point 00001) connected to the existing boilers (Emission Sources S0001 & S0002). The two new boilers at New York Methodist Hospital are identified as:

Two new (installed in 2004) Cleaver Brooks CBLE 200 750 200ST boilers of capacity of 30.6 MM Btu/hr each, Emission Sources B0004 & B0005.

For the two new Cleaver Brooks boilers, typically, one boiler will be on 50% of the time on number 2 fuel oil and the other 50% of the time on natural gas. The other new boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Emission Source/Control: B0004 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: B0005 - Combustion
Design Capacity: 30.6 million Btu per hour

Item 27.4(From Mod 1):

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

Emission Unit: U-00001

Process: O45

Source Classification Code: 1-03-004-01

Process Description:

Process O45 is the burning of number 2 fuel oil in the two new 30.6 MM Btu/hr Cleaver Brooks boilers (Emission Sources B0004 & B0005) in Emission Unit U-00001. The two boilers provide heat and hot water to the hospital. Flue gases from this process exit through a common stack (Emission point 00001) connected to the existing boilers (Emission Sources S0001 & S0002). The two new boilers at New York Methodist Hospital are identified as:

Two new (installed in 2004) Cleaver Brooks CBLE 200 750 200ST boilers of capacity of 30.6 MM Btu/hr each, Emission Sources B0004 & B0005.

For the two new Cleaver Brooks boilers, typically, one



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boiler will be on 50% of the time on number 2 fuel oil and the other 50% of the time on natural gas. The other new boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Emission Source/Control: B0004 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: B0005 - Combustion
Design Capacity: 30.6 million Btu per hour

Item 27.5(From Mod 0):

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

Emission Unit: U-00002

Process: CNG

Source Classification Code: 1-01-006-02

Process Description:

Process CNG is the burning of natural gas in the two internal combustion engines in Emission Unit U-00002. Flue gases from this process exit through two separate identical stacks (Emission Points 00002 & 00003). Emission Point 00002 is associated with Emission Source 00004 and Emission Point 00003 is associated with Emission Source 00005. The two internal combustion engines in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, are lean burn and with compression ignition source.

Emission Source/Control: 00004 - Combustion
Design Capacity: 940 kilowatts

Emission Source/Control: 00005 - Combustion
Design Capacity: 940 kilowatts

Condition 1-17: Emission Unit Permissible Emissions

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-17.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 0NY210000 (From Mod 1)



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Name: OXIDES OF NITROGEN

PTE(s): 25.7 pounds per hour

37,200 pounds per year

Emission Unit: U-00002

CAS No: 0NY210000 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 10.4 pounds per hour

79,400 pounds per year

Condition 1-18: Process Permissible Emissions

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 0-18.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001 Process: BNG

CAS No: 0NY210-00-0 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 11.6 pounds per hour

26,500 pounds per year

Emission Unit: U-00001 Process: BOI

CAS No: 0NY210-00-0 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 14.1 pounds per hour

10,700 pounds per year

Emission Unit: U-00002 Process: CNG

CAS No: 0NY210-00-0 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 10.4 pounds per hour

79,400 pounds per year

Condition 1-19: Capping Monitoring Condition

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7



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Item 1-19.1:

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 1-19.2:

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

Item 1-19.3:

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 1-19.4:

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 1-19.5:

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 1-19.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 1-19.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is planning on installing two new dual-fuel fired Cleaver-Brooks boilers, each of capacity 30.6 MM Btu/hr. These two new boilers (the 30.6 MM Btu/hr each



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Cleaver Brooks) will not emit more than 28.72 TPY of NO_x emissions. The old boiler (26.6 MM Btu/hr Erie City) emissions will be reduced by 16.68 TPY. Therefore, NET increase of NO_x emissions is less than 12.04 TPY. Please see the netting analysis calculations under 6 NYCRR 231-2. Facility-wide capping will be provided when the Title V application is modified.

The 28.72 TPY of NO_x emissions that the two new boilers will emit is equivalent to a fuel consumption of 201,042,000 cubic feet per year (CFY) of natural gas and 957,343 gallons per year (GPY) of number 2 fuel oil. The total fuel consumption is equally shared between the two boilers.

Typically, one boiler will be on 50% of the time on number 2 oil and the other 50% of the time on natural gas. The other boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 28.72 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 28: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 28.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

A boiler tune-up shall be performed annually to the 25.1 MM Btu/hr Cleaver Brooks boiler (Emission Source 00001), to the 31.4 MM Btu/hr Cleaver Brooks boiler (Emission Source 00002) and to the two new 30.6 MM Btu/hr Cleaver Brooks boilers defined in Emission Unit U-00001 as Emission Sources B0004 and B0005. The owner or operator of a small boiler (between 20 and 50 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in Air Guide 33) containing the following information:

- (1) The date which the equipment was adjusted;
- and
- (2) The name, title, and affiliation of the person who adjusted the equipment.

Annual tune-up maintenance usually includes not only some aspects of daily, weekly, and monthly scheduled maintenance, but also focuses on tests, evaluations and adjustments necessary for efficient combustion. Annual tune-up maintenance requirements must include a tune-up checklist (see Appendix A of Air Guide 33) and written procedures. According to Air Guide 33, the following is a summary list and description of the items/equipments to be cleaned/inspected/repared or have to be adjusted during the annual tune-ups:

- (a) Inspection and cleaning, as necessary, of fireside and waterside surfaces.
- (b) Inspecting, cleaning and/or reconditioning of fuel systems.
- (c) Checking all electrical and combustion control systems.
- (d) Testing of exhaust gases (carbon monoxide, carbon dioxide, etc.) as necessary to calculate combustion efficiency and make necessary adjustments to the combustion control systems.
- (e) Inspection and repair of all valves (relief, safety, hydraulic, pneumatic, etc.)
- (f) Inspection and repair of refractories.



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(g) Cleaning and inspecting fan housing, blades, and inlet screens.

(h) Cleaning/reconditioning and inspecting the feedwater system.

Reference Test Method: AIR GUIDE 33
Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Date of construction notification.
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 29.1:

This Condition applies to Emission Unit: U-00001

Item 29.2:

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, post marked no later than 30 days after such date;
- 2) a notification of the anticipated date of initial start up, post marked not more than 60 days not less than 30 days prior to such date;
- 3) a notification of the actual date of initial start up, post marked 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 this part. The notice shall be post marked 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, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date; and



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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, post marked not less than 30 days prior to the performance test.

Condition 30: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Item 30.2:

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 5/30/2005.

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

Condition 31: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

The facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the 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) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 32: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 32.2:

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 7/30/2005.

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

Condition 33: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: BOI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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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, 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.

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 7/30/2005.

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

Condition 34: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: BOI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 34.2:

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



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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.40c, NSPS which limits the sulfur content in the distillate oil to 0.5 percent by weight is superceded 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.

New York Methodist Hospital 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.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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: BOI

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

Item 35.2:

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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 affected facility that combusts 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.

New York Methodist Hospital 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(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 7/30/2005.

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

**Condition 36: Exemption from the averaging period.
Effective between the dates of 01/25/2005 and 01/24/2010**

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

Item 36.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: BOI

Item 36.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification



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from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 37: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: BOI

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

Item 37.2:

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(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.

New York Methodist Hospital 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(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



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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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

**Condition 38: Compliance methods for particulate matter.
Effective between the dates of 01/25/2005 and 01/24/2010**

Applicable Federal Requirement: 40CFR 60.45c, NSPS Subpart Dc

Item 38.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: BOI

Item 38.2:

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

**Condition 39: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010**

Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: BOI

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

Item 39.2:

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.

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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(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.

New York Methodist Hospital 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.46c(d)(2), NSPS.

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: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 40: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.47c, NSPS Subpart Dc

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: BOI

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

No owner or operator of an affected facility that combusts oil 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 APPENDIX 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 7/30/2005.

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

Condition 41: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: BOI

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following

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information for distillate oil:

i) The name of the oil supplier, and

ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

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 7/30/2005.

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

Condition 1-20: Capping Monitoring Condition

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-20.1:

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 1-20.2:

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

Item 1-20.3:

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 1-20.4:

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



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threshold levels that would require compliance with an applicable requirement.

Item 1-20.5:

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 1-20.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: G45

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

Item 1-20.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is planning on installing two new dual-fuel fired Cleaver-Brooks boilers, each of capacity 30.6 MM Btu/hr. These two new boilers (the 30.6 MM Btu/hr each Cleaver Brooks) will not emit more than 28.72 TPY of NO_x emissions. The old boiler (26.6 MM Btu/hr Erie City) emissions will be reduced by 16.68 TPY. Therefore, NET increase of NO_x emissions is less than 12.04 TPY. Please see the netting analysis calculations under 6 NYCRR 231-2. Facility-wide capping will be provided when the Title V application is modified.

The 28.72 TPY of NO_x emissions that the two new boilers will emit is equivalent to a fuel consumption of 201,042,000 cubic feet per year (CFY) of natural gas and 957,343 gallons per year (GPY) of number 2 fuel oil. The total fuel consumption is equally shared between the two boilers.

Typically, one boiler will be on 50% of the time on number 2 oil and the other 50% of the time on natural gas. The other boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Parameter Monitored: NATURAL GAS



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Upper Permit Limit: 201,042,000 cubic feet per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 1-21: Capping Monitoring Condition

Effective between the dates of 10/17/2005 and 01/24/2010

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-21.1:

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 1-21.2:

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

Item 1-21.3:

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 1-21.4:

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 1-21.5:

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 1-21.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: O45



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Permit ID: 2-6103-00158/00001

Facility DEC ID: 2610300158

Regulated Contaminant(s):

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

Item 1-21.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is planning on installing two new dual-fuel fired Cleaver-Brooks boilers, each of capacity 30.6 MM Btu/hr. These two new boilers (the 30.6 MM Btu/hr each Cleaver Brooks) will not emit more than 28.72 TPY of NO_x emissions. The old boiler (26.6 MM Btu/hr Erie City) emissions will be reduced by 16.68 TPY. Therefore, NET increase of NO_x emissions is less than 12.04 TPY. Please see the netting analysis calculations under 6 NYCRR 231-2. Facility-wide capping will be provided when the Title V application is modified.

The 28.72 TPY of NO_x emissions that the two new boilers will emit is equivalent to a fuel consumption of 201,042,000 cubic feet per year (CFY) of natural gas and 957,343 gallons per year (GPY) of number 2 fuel oil. The total fuel consumption is equally shared between the two boilers.

Typically, one boiler will be on 50% of the time on number 2 oil and the other 50% of the time on natural gas. The other boiler will be operated three (3) months per year and the same boiler would be on standby for the other nine (9) months.

Parameter Monitored: NUMBER 2 OIL

Upper Permit Limit: 957,343 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

**Condition 42: Compliance methods for particulate matter.
Effective between the dates of 01/25/2005 and 01/24/2010**



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Permit ID: 2-6103-00158/00001

Facility DEC ID: 2610300158

Applicable Federal Requirement: 40CFR 60.45c, NSPS Subpart Dc

Item 42.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: O45

Item 42.2:

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

Condition 43: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: O45

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

Item 43.2:

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(a)(3), which limits the sulfur content in the distillate oil to 0.20 percent



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by weight to facilities in the severe ozone non-attainment area such as New York City.

New York Methodist Hospital 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.46c(d)(2), NSPS.

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: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 44: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.47c, NSPS Subpart Dc

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: O45

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 44.2:

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 an affected facility that combusts oil 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.



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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 APPENDIX 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 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: O45

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.



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Facility DEC ID: 2610300158

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 7/30/2005.

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

Condition 46: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

Item 46.2:

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 operate the installation in such a way to 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. Opacity shall be monitored on a daily basis whenever the unit is in operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

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 7/30/2005.

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

Condition 47: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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



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Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: CNG Emission Source: 00004

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

Item 47.2:

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 two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 940 kilowatts WAUKESHA VHP-700GL (# 1 internal combustion engine)

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 7/30/2005.

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

Condition 48: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 48.1:



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The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: CNG Emission Source: 00004

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 two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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 nonattainment 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.



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Manufacturer Name/Model Number: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal combustion engine)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, M 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 49: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

Process: CNG Emission Source: 00004

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The two internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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

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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: CEMS for 940 kilowatts WAUKESHA VHP-700GL (# 1 IC engine)

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 4/30/2005.

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

Condition 50: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

Process: CNG Emission Source: 00004

Regulated Contaminant(s):

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

Item 50.2:

Compliance Certification shall include the following monitoring:



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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 initial 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 two lean burn natural gas fired internal combustion engines (Emission Sources 00004 & 00005) 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: 940 kilowatts WAUKESHA VHP-700GL (# 1 internal combustion engine)

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 51: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

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Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: CNG Emission Source: 00004

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of stationary internal combustion engines shall perform initial compliance stack tests as described in subdivision (c) of this section to verify NOx emissions 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 two lean burn natural gas fired internal combustion engines (Emission Sources 00004 & 00005) 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 gm/bhp-hr NOx emission limit through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005.

Manufacturer Name/Model Number: 940 kilowatts WAUKESHA VHP-700GL (# 1 internal combustion engine)

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, M 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 52: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: CNG Emission Source: 00004

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

Item 52.2:

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

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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 nonturbine 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 nonturbine 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

Upper Permit Limit: 2.3 grams per brake horsepower-hour



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Reference Test Method: Method 19 App A
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 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: CNG Emission Source: 00004

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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:

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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: 940 kilowatts WAUKESHA VHP-700GL (# 1 internal combustion engine)

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 54: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Item 54.2:

Compliance Certification shall include the following monitoring:

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



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Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to 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. Opacity shall be monitored on a daily basis whenever the unit is in operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

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 7/30/2005.

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

Condition 55: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: CNG Emission Source: 00005

Regulated Contaminant(s):

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

Item 55.2:

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,



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engine gas analysis, and fuel consumption versus power output of the unit.

The two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, are lean burn internal combustion engines with compression ignition source.

Manufacturer Name/Model Number: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal combustion engine)

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 7/30/2005.

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

Condition 56: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: CNG Emission Source: 00005

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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.

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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 nonattainment area, that provides primary power or is used for peak shaving generation, must comply with the following NOx 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 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: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal combustion engine)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, M 7, 7E or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: CNG Emission Source: 00005

Regulated Contaminant(s):

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

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Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The two internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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: CEMS for 940 kilowatts WAUKESHA VHP-700GL (#
2 IC engine)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: CEMS

Monitoring Frequency: CONTINUOUS



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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 4/30/2005.

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

Condition 58: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: CNG Emission Source: 00005

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 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 initial compliance stack tests as described in subdivision (c) of this section to verify NOx emissions 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



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emission levels for the two lean burn natural gas fired internal combustion engines (Emission Sources 00004 & 00005) and to compare them to the established emissions limits set forth in 6 NYCRR 227-2. 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: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal combustion engine)

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 59: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: CNG Emission Source: 00005

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of stationary internal combustion engines shall perform initial compliance stack tests as described in subdivision (c) of this section to verify NOx emissions 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.



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The purpose of the stack test program is to establish emission levels for the two lean burn natural gas fired internal combustion engines (Emission Sources 00004 & 00005) 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 gm/bhp-hr NO_x emission limit through March 31, 2005, and 2.3 gm/bhp-hr beginning April 1, 2005.

Manufacturer Name/Model Number: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal combustion engine)

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: App A, M 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 60: Compliance Certification
Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: CNG Emission Source: 00005

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

Item 60.2:

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 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



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40 CFR part 60, Appendix A, Method 19 for nonturbine 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 nonturbine 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

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: Method 19 App A

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 4/30/2005.

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

Condition 61: Compliance Certification

Effective between the dates of 01/25/2005 and 01/24/2010

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: CNG Emission Source: 00005

Regulated Contaminant(s):

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

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Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two stationary internal combustion engines (Emission Sources 00004 & 00005) in Emission Unit U-00002 are 940 kilowatts (1259.6 hp) each, fire natural gas only, 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.
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: 940 kilowatts WAUKESHA VHP-700GL (# 2 internal

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combustion engine)

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



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 62: Contaminant List
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable State Requirement: ECL 19-0301

Item 62.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

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 63: Unavoidable noncompliance and violations
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable State Requirement: 6NYCRR 201-1.4

Item 63.1:

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.

(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



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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 66: Air pollution prohibited
Effective between the dates of 01/25/2005 and 01/24/2010

Applicable State Requirement: 6NYCRR 211.2

Item 66.1:

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.