

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610400249**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6104-00249/00004  
Effective Date: 12/11/2007 Expiration Date: 12/10/2012

Permit Issued To: NYC HEALTH & HOSPITALS CORP  
125 WORTH STREET  
NEW YORK, NY 10013-4006

Contact: JOSEPH MULCHAN  
KINGS COUNTY HOSPITAL CENTER  
451 CLARKSON AVE BLDG E  
BROOKLYN, NY 11203  
(718) 245-2945

Facility: NYC-HH - KINGS COUNTY HOSPITAL CENTER  
451 CLARKSON AVE  
BROOKLYN, NY 11203

Contact: CHARLES ABRUZZO  
KINGS COUNTY HOSPITAL CENTER  
451 CLARKSON AVE  
BROOKLYN, NY 11203  
(718) 245-2953

Description:

**PERMIT DESCRIPTION**  
**NYC-HH - Kings County Hospital Center**  
**DEC ID # 2-6104-00249/00004 ATV (Ren 1)**

NYC HH - Kings County Hospital Center, located at 451 Clarkson Avenue in Brooklyn, New York, is an 800 bed hospital which provides emergency and in-patient care. The hospital center also serves as a research center and nursing school. The Standard Industrial Classification Code (SIC) is 8062 - General Medical and Surgical Hospitals.

NYC HH - Kings County Hospital Center operates boilers which supply steam for the space heating of the building. The steam is produced by five (5) boilers (Emission Sources S0001, S0002, S0003, S0004 and S0005). Each boiler is derated at 49.9 MM Btu/hr and all five (5) boilers are capable of firing either residual fuel oil #6 (Processes 002 & 020) or natural gas (Processes 001 & 010). Natural gas is the primary fuel and # 6 fuel oil is used as a secondary fuel. Two (2) boilers which were constructed in 9/1987 are identified as Emission Unit U-00001 and the other three (3) boilers which were constructed in 1/1985 (one boiler), and 5/1985 (2 boilers) are identified as emission unit U-00002. Emissions from



## **New York State Department of Environmental Conservation**

**Facility DEC ID: 2610400249**

these 5 boilers are exhausted through two stacks which are identified as Emission Points 00001(2 boilers) & 00002 (3 boilers).

The facility has participated in the New York Power Authority's Peak Load Management (PLM) program from 6/24/2003 to 8/4/2004. As of 1/31/2006, Kings County Hospital Center ceased active participation in the New York Power Authority's PLM program. One of these emergency generators (Emission Source S0010 - 350 KW Cummins) was replaced with another emergency generator (Emission Source S0012 - 750 KW Kohler) on 6/30/2004. In addition, the facility has also removed one of the exempt emergency generators (Generator # 2 - the 75 kilowatts International Harvester UDT42578) from the site in February 2007 due to planned demolition of Building U in 2007. Currently, these six generators operate as part of the thirteen exempt emergency generators at the facility. Only #2 fuel oil (i.e., diesel fuel) is burned in these diesel generators. But, since all of the twelve diesel-powered generators are exempt and are used only for emergency, therefore each generator is limited to operating below 500 hours per year.

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c), including twelve (12) emergency generators, fifteen (15) fuel oil storage tanks, two (2) sterilizers (emission rate potential < 1.0 lb/hr) and twenty-five (25) laboratory fume hoods.

The Title V permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units, emission points, processes and emission sources.

The facility is capping out of 6 NYCRR 231-2, New Source Review by limiting the natural gas usage to 1,180 million cubic feet per year. The NO<sub>x</sub> emissions for this facility will be restricted to below 100 tons per year. The facility is also capping out of 40 CFR 52-A.21, Prevention of Significant Deterioration by limiting the # 6 fuel oil usage to 400,000 gallons per year. The SO<sub>2</sub> emissions for this facility will be restricted to below 100 tons per year. The Title V permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units and its emission points.

The facility is subject to the provisions of Title V for sulfur dioxide and is subject to 6 NYCRR 225-1, fuel composition and use - sulfur limitations, which restricts the sulfur content of # 6 fuel oil utilized in the five boilers to 0.30% by weight or less, and the sulfur content of # 2 fuel oil utilized in the diesel emergency generators to 0.20 % by weight or less. Emission Points 00001 & 00002 are subject to the particulate and smoke emission of 6 NYCRR 227-1.3 by limiting the opacity to 20 % . The facility is subject to the corrective action requirements of 6 NYCRR 227-1.6(a) and to the particulate emission limit of 6 NYCRR 227.2(b)(1) limit of 0.10 lbs/MM Btus for stationary combustion installation. The five boilers at the facility are subject to 6 NYCRR 227-2.4, Reasonably Available Control Technology (RACT) for oxides of nitrogen for small boilers by performing annual tune-ups to each of the five boilers and complying with the specified reporting and record keeping requirements.

The facility-wide NO<sub>x</sub> and SO<sub>2</sub> emissions are each limited to 100 tons per year. This will be achieved by limiting natural gas for the five boilers to 1180 million cubic feet per year, and # 6 oil to 400,000 gallons per year.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610400249**



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, modifications and transfers

Permit modifications, suspensions or revocations by the Department

**Facility Level**

Submission of application 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, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610400249**

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 or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**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 application for permit modification or renewal-REGION 2 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC HEALTH & HOSPITALS CORP  
125 WORTH STREET  
NEW YORK, NY 10013-4006

Facility: NYC-HH - KINGS COUNTY HOSPITAL CENTER  
451 CLARKSON AVE  
BROOKLYN, NY 11203

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

Permit Effective Date: 12/11/2007

Permit Expiration Date: 12/10/2012



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(g): Non Applicable requirements
- 25 6NYCRR 201-7: Facility Permissible Emissions
- \*26 6NYCRR 201-7: Capping Monitoring Condition
- \*27 6NYCRR 201-7: Capping Monitoring Condition
- \*28 6NYCRR 201-7: Capping Monitoring Condition
- \*29 6NYCRR 201-7: Capping Monitoring Condition
- 30 6NYCRR 225-1.2(a)(2): Compliance Certification
- 31 6NYCRR 225-1.2(a)(2): Compliance Certification
- 32 6NYCRR 225-1.8: Compliance Certification
- 33 6NYCRR 225.1(a)(3): Compliance Certification
- 34 6NYCRR 225.1(a)(3): Compliance Certification
- 35 6NYCRR 225.7(a): Compliance Certification
- 36 6NYCRR 227-1.3(a): Compliance Certification
- 37 6NYCRR 227-1.6(a): Corrective action.
- 38 6NYCRR 227-2.4(d): Compliance Certification
- 39 40CFR 52.21, Subpart A: Compliance Certification



**Emission Unit Level**

- 40 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 41 6NYCRR 201-6: Process Definition By Emission Unit

**EU=U-00001**

- 42 6NYCRR 227-2.4(d): Compliance Certification

**EU=U-00001,EP=00001,Proc=002**

- 43 6NYCRR 225-1.2(a)(2): Compliance Certification
- 44 6NYCRR 227-1.3(a): Compliance Certification
- 45 6NYCRR 227.2(b)(1): Compliance Certification

**EU=U-00002**

- 46 6NYCRR 227-2.4(d): Compliance Certification

**EU=U-00002,EP=00002,Proc=020**

- 47 6NYCRR 225-1.2(a)(2): Compliance Certification
- 48 6NYCRR 227-1.3(a): Compliance Certification
- 49 6NYCRR 227.2(b)(1): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 50 ECL 19-0301: Contaminant List
- 51 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 52 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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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

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

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

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

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

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

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

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



Act;

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

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

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

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

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

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

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

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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

**Condition 2: Fees**

**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 2.1:**

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

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 12/11/2007 and 12/10/2012**

**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 12/11/2007 and 12/10/2012**

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

**Item 4.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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 12/11/2007 and 12/10/2012**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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 Compliance Monitoring and Enforcement (BCME) 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:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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 BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
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 10/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 8.1:**

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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

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

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

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 11.1:**

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

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 13.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart,



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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 15: Standard Requirement - Provide Information**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 16.1:**

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

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

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

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

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

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 17.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

department. Such progress reports shall contain the following:

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

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

**Condition 18: Off Permit Changes**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 18.1:**

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

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

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

**Condition 19: Required Emissions Tests**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 19.1:**

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

**Condition 20: Visible Emissions Limited**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 20.1:**

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

**Condition 21: Accidental release provisions.**

**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 40CFR 68**

**Item 21.1:**

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

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

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

**Condition 22: Recycling and Emissions Reduction**

**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 22.1:**

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

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6104-00249/00004

Facility DEC ID: 2610400249



**Condition 23: Emission Unit Definition**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 23.1:**

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 two Cleaver Brooks boilers (Emission Sources 00001 & 00002), rated at 49.9 MM Btu/hr each, capable of burning natural gas (Process 001) and # 6 residual fuel oil (Process 002). The flue gases from these two boilers exit through a common stack, identified as Emission point 00001. These two boilers are located in Building Z (Boiler House). NYC-HH - Kings County Hospital Center's boilers burn # 6 fuel oil as a secondary fuel to natural gas. Fuel usage is to be quantified via fuel purchase records.

Building(s): BLDG Z

**Item 23.2:**

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U-00002 consists of three Cleaver Brooks boilers (Emission Sources 00003, 00004 & 00005), rated at 49.9 MM Btu/hr each, capable of burning natural gas (Process 010) and # 6 residual fuel oil (Process 020). The flue gases from these three boilers exit through a common stack, identified as Emission point 00002. These three boilers are located in Building Z (Boiler House). NYC-HH - Kings County Hospital Center's boilers burn # 6 fuel oil as a secondary fuel to natural gas. Fuel usage is to be quantified via fuel purchase records.

Building(s): BLDG Z

**Item 23.3:**

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

Emission Unit: U-00003      End Date: 01/31/2006

Emission Unit Description:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



Emission Unit U-00003 consisted of six (6) non-exempt diesel-powered emergency generators, identified as Emission Sources S0006, S0007, S0008, S0009, S0011 & S0012, burning # 2 diesel oil (Process 030). These six generators participated in the Coordinated Demand Reduction Program (CDRP) offered by the New York Power Authority from 6/24/2003 to 8/4/2004. As of January 31, 2006, Kings County Hospital Center ceased active participation in the New York Power Authority's PLM program.

The flue gases from these six emergency generators exited through six separate stacks, identified as Emission Points 00006, 00007, 00008, 00009, 00011 & 00012, respectively. These six generators have operated during the New York Power Authority's Peak Load Management (PLM) program from 6/24/2003 to 8/4/2004. As of 1/31/2006, Kings County Hospital Center ceased active participation in the PLM program. The total heat input for all six units is 40.6 MM Btu/hr. In addition to regular testing, these six generators were operating during the Coordinated Demand Reduction Program (CDRP), which requires a maximum of 90 hours of operation per year per generator. One of these emergency generators (Emission Source S0010 - 350 KW Cummins) was replaced with another emergency generator (Emission Source S0012 - 750 KW Kohler) on 6/30/2004. In addition, the facility has also removed one of the exempt emergency generators (Generator # 2 - the 75 kilowatts International Harvester UDT42578) from the site in February 2007 due to planned demolition of Building U in 2007.

Building(s):       BLDG D  
                      BLDG E BSM  
                      BLDG FS  
                      BLDG Z  
                      MAIN BLDG

**Condition 24:   Non Applicable requirements**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 24.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

applicable.

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 25.1:**

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

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

CAS No: 007446-09-5                      PTE: 199,999 pounds per year  
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0                      PTE: 199,999 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 26: Capping Monitoring Condition**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 26.1:**

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 26.2:**

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

**Item 26.3:**

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 26.4:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

levels that would require compliance with an applicable requirement.

**Item 26.5:**

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 26.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 26.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility wide emissions of NOx and SO2 continue to be limited to 100 tons per year. This limitation shall be met by enforcing a limitation of 1,180 million cubic feet of natural gas per year, and combustion of 400,000 gallons per year of # 6 fuel oil.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 1180 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 10/30/2008.

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

**Condition 27: Capping Monitoring Condition**

**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 27.1:**

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

40CFR 52-A.21



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

**Item 27.2:**

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

**Item 27.3:**

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

**Item 27.4:**

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

**Item 27.5:**

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

**Item 27.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility wide emissions of NO<sub>x</sub> and SO<sub>2</sub> continue to be limited to 100 tons per year. This limitation shall be met by enforcing a limitation of 1,180 million cubic feet of natural gas per year, and combustion of 400,000 gallons per year of # 6 fuel oil.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 6 OIL

Upper Permit Limit: 400,000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 28: Capping Monitoring Condition**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 28.1:**

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

6NYCRR 231-2

**Item 28.2:**

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

**Item 28.3:**

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

**Item 28.4:**

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

**Item 28.5:**

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

**Item 28.6:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 28.7:**

Compliance Certification shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Capping: Yes

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

Monitoring Description:

The facility wide emissions of NO<sub>x</sub> and SO<sub>2</sub> continue to be limited to 100 tons per year. This limitation shall be met by enforcing a limitation of 1,180 million cubic feet of natural gas per year, and combustion of 400,000 gallons per year of # 6 fuel oil.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 100 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 10/30/2008.

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

**Condition 29: Capping Monitoring Condition**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 29.1:**

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:

40CFR 52-A.21

**Item 29.2:**

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

**Item 29.3:**

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 29.4:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

levels that would require compliance with an applicable requirement.

**Item 29.5:**

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 29.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 29.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility wide emissions of NO<sub>x</sub> and SO<sub>2</sub> continue to be limited to 100 tons per year. This limitation shall be met by enforcing a limitation of 1,180 million cubic feet of natural gas per year, and combustion of 400,000 gallons per year of # 6 fuel oil.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 100 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 10/30/2008.

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

**Condition 30: Compliance Certification**

**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 30.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any # 6 residual fuel oil which contains sulfur in a quantity exceeding maximum percent of sulfur by weight of 0.30. The facility keeps records on file as deliveries are received. Records of the sulfur content of each delivery must be maintained at the facility for a period of at least five years. These records must be available to the Department upon request during normal business hours. All of the five boilers at the facility burn # 6 fuel oil as a secondary fuel to natural gas. Fuel usage is to be quantified via fuel purchase.

NYC-HH - Kings County Hospital Center burns # 6 residual oil in the five Cleaver Brooks DLDH-60 boilers in Emission Units U-00001 & U-00002, and are identified as Emission Sources 00001, 00002, 00003, 00004 & 00005.

For emission units subject to Title V, summaries of these records must be included in the semiannual reports and annual compliance certifications.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 6 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.3 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 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



CAS No: 007446-09-5    SULFUR DIOXIDE

**Item 31.2:**

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 # 2 diesel fuel oil which contains sulfur in a quantity exceeding maximum percent of sulfur by weight of 0.20. The facility keeps records on file as deliveries are received. Records of the sulfur content of each delivery must be maintained at the facility for a period of at least five years. These records must be available to the Department upon request during normal business hours. NYC-HH - Kings County Hospital Center burns # 2 diesel oil in all of the twelve emergency generators. Fuel usage is to be quantified via fuel purchase.

NYC-HH - Kings County Hospital Center burns # 2 diesel oil in all of the eleven emergency generators

For emission units subject to Title V, summaries of these records must be included in the semiannual reports and annual compliance certifications.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.2 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 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 32: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2008.

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

**Condition 33: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

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 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

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2008.

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

**Condition 34: Compliance Certification**

**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**

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 residual oil which has sulfur content greater than 0.30 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: NUMBER 6 OIL



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.30 percent by weight  
Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 35: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 225.7(a)**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement.

Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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 4/30/2008.



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

**Condition 37:    Corrective action.**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.6(a)**

**Item 37.1:**

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

- (1) it is equipped with approved emission control equipment;
- (2) it is rehabilitated or upgraded in an approved manner; or
- (3) the fuel is changed to an acceptable type.

**Condition 38:    Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually on each of the five Cleaver Brooks DLDH-60 boilers at NYC-HH Kings County Hospital Center, each is rated at 49.9 MM Btu/hr, and are identified as Emission Sources 00001 & 00002 in Emission Unit U-00001, and Emission Sources 00003, 00004 & 00005 in Emission Sources U-00002. 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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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.
- (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 10/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 39: Compliance Certification**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 39.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility wide SO<sub>2</sub> emission total is restricted to 499,999 pounds or less as determined by summing the individual monthly emissions during any consecutive 12 month period. At the beginning of each month, the facility shall calculate total SO<sub>2</sub> emissions for the previous month and total SO<sub>2</sub> emissions for the previous consecutive 12 month period. Monthly SO<sub>2</sub> emissions are determined as follows:

$$\text{SO}_2 \text{ (lb/month)} = \text{SO}_{\text{ng}} + \text{SO}_{\#6\text{oil}}$$

where,

SO<sub>ng</sub> = Monthly SO<sub>2</sub> emission rate based on natural gas usage.

$$\text{SO}_{\text{ng}} = (\text{MMcf nat. gas burned/month}) \times (0.6 \text{ lb/MMcf})$$

SO<sub>#6oil</sub> = Monthly SO<sub>2</sub> emission rate based on #6 fuel oil usage.

$$\text{SO}_{\#6\text{oil}} = (\text{gal. \#6 oil burned/month}) \times (157 \text{ S lb}/1000 \text{ gal})$$

S = % sulfur content of the residual oil

The emissions factors used in the above equation, (0.6 lb SO<sub>2</sub>/ MMcf natural gas) and (157 S lb SO<sub>2</sub>/ 1000 gal #6 oil), are from the USEPA Compilation of Air Pollution Emission Factors (AP-42), Volume I, January 1995, Tables 1.4-2 and 1.3-2, respectively.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

The facility shall submit to the department an annual inventory listing monthly SO<sub>2</sub> emissions and total SO<sub>2</sub> emissions for the previous year due by the 15th of April

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 10/30/2008.  
Subsequent reports are due every 12 calendar month(s).

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

**Condition 40: Emission Point Definition By Emission Unit  
Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 40.1:**

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 225

Diameter (in.): 120

NYTMN (km.): 4501.123 NYTME (km.): 589.333 Building: BLDG Z

**Item 40.2:**

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 225

Diameter (in.): 120



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

NYTMN (km.): 4501.123 NYTME (km.): 589.333 Building: BLDG Z

**Item 40.3:**

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

Emission Unit: U-00003

Emission Point: 00003 Removal Date: 01/31/2006  
Height (ft.): 66 Diameter (in.): 10  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: BLDG D

Emission Point: 00004 Removal Date: 01/31/2006  
Height (ft.): 45 Diameter (in.): 10  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: MAIN BLDG

Emission Point: 00005 Removal Date: 01/31/2006  
Height (ft.): 22 Diameter (in.): 12  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: BLDG Z

Emission Point: 00006 Removal Date: 01/31/2006  
Height (ft.): 22 Diameter (in.): 12  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: BLDG Z

Emission Point: 00007 Removal Date: 01/31/2006  
Height (ft.): 16 Diameter (in.): 4  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: BLDG E BSM

Emission Point: 00008 Removal Date: 01/31/2006  
Height (ft.): 65 Diameter (in.): 6  
NYTMN (km.): 4500.9 NYTME (km.): 589.3 Building: BLDG FS

**Condition 41: Process Definition By Emission Unit  
Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 41.1:**

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

Emission Unit: U-00001

Process: 001

Source Classification Code: 1-03-006-02

Process Description:

Process 001 consists of the burning of natural gas in two of the Cleaver Brooks boilers (Emission Sources 00001 & 00002), rated at 49.9 MM Btu/hr each, in Emission Unit U-00001, and are located in Building Z (Boiler House). The flue gases from these two boilers exit through a common



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

stack, identified as Emission point 00001.

Emission Source/Control: 00001 - Combustion  
Design Capacity: 49.9 million Btu per hour

Emission Source/Control: 00002 - Combustion  
Design Capacity: 49.9 million Btu per hour

**Item 41.2:**

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

Emission Unit: U-00001

Process: 002

Source Classification Code: 1-03-004-02

Process Description:

Process 002 consists of the burning of # 6 residual oil in two of the Cleaver Brooks boilers (Emission Sources 00001 & 00002), rated at 49.9 MM Btu/hr each, in Emission Unit U-00001, and are located in Building Z (Power House). The flue gases from these two boilers exit through a common stack, identified as Emission point 00001.

Emission Source/Control: 00001 - Combustion  
Design Capacity: 49.9 million Btu per hour

Emission Source/Control: 00002 - Combustion  
Design Capacity: 49.9 million Btu per hour

**Item 41.3:**

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

Emission Unit: U-00002

Process: 010

Source Classification Code: 1-03-006-02

Process Description:

Process 010 consists of the burning of natural gas in three of the Cleaver Brooks boilers (Emission Sources 00003, 00004 & 00005), rated at 49.9 MM Btu/hr each, in Emission Unit U-00002, and are located in Building Z (Power House). The flue gases from these three boilers exit through a common stack, identified as Emission point 00002.

Emission Source/Control: 00003 - Combustion  
Design Capacity: 49.9 million Btu per hour

Emission Source/Control: 00004 - Combustion  
Design Capacity: 49.9 million Btu per hour



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Emission Source/Control: 00005 - Combustion

Design Capacity: 49.9 million Btu per hour

**Item 41.4:**

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

Emission Unit: U-00002

Process: 020

Source Classification Code: 1-03-004-02

Process Description:

Process 020 consists of the burning of # 6 residual oil in three of the Cleaver Brooks boilers (Emission Sources 00003, 00004 & 00005), rated at 49.9 MM Btu/hr each, in Emission Unit U-00002, and are located in Building Z (Power House). The flue gases from these three boilers exit through a common stack, identified as Emission point 00002.

Emission Source/Control: 00003 - Combustion

Design Capacity: 49.9 million Btu per hour

Emission Source/Control: 00004 - Combustion

Design Capacity: 49.9 million Btu per hour

Emission Source/Control: 00005 - Combustion

Design Capacity: 49.9 million Btu per hour

**Item 41.5:**

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

Emission Unit: U-00003

Process: 030

Source Classification Code: 2-02-001-01

Process End Date: 1/31/2006

Process Description:

Process 030 is the burning of # 2 fuel oil in the six non-exempt diesel-powered emergency generators, which operated during Peak Load Management (PLM) Program in addition to regular testing. Total heat input for all six units is 40.6 MM Btu/hr. These six generators participated in the Coordinated Demand Reduction Program (CDRP) offered by the New York Power Authority from 6/24/2003 to 8/4/2004. As of 1/31/2006, Kings County Hospital Center ceased active participation in the New York Power Authority's PLM program. These six non-exempt diesel-powered emergency generators in Emission Unit U-00003 are identified as Emission Sources 00006, 00007, 00008, 00009, 00011 & 00012. The flue gases from these six emergency generators exited through six separate stacks,



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

identified as Emission Points 00006, 00007, 00008, 00009, 00011 & 00012, respectively.

In addition to regular testing, these six generators were operating during the Coordinated Demand Reduction Program (CDRP), which requires a maximum of 90 hours of operation per year per generator. One of these emergency generators (Emission Source S0010 - 350 KW Cummins) was replaced with another emergency generator (Emission Source S0012 - 750 KW Kohler) on 6/30/2004. In addition, the facility has also removed one of the exempt emergency generators (Generator # 2 - the 75 kilowatts International Harvester UDT42578) from the site in February 2007 due to planned demolition of Building U in 2007.

Emission Source/Control: S0006 - Combustion  
Design Capacity: 1,250 kilowatts

Emission Source/Control: S0007 - Combustion  
Design Capacity: 520 kilowatts

Emission Source/Control: S0008 - Combustion  
Design Capacity: 500 kilowatts

Emission Source/Control: S0009 - Combustion  
Design Capacity: 500 kilowatts

Emission Source/Control: S0011 - Combustion  
Design Capacity: 200 kilowatts

Emission Source/Control: S0012 - Combustion  
Design Capacity: 750 kilowatts

**Condition 42: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 42.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually on each of the two Cleaver Brooks DLDH-60 boilers in Emission Unit U-00001 at NYC-HH Kings County Hospital Center, each is rated at 49.9 MM Btu/hr, and are identified as Emission Sources 00001 & 00002 in Emission Unit U-00001. 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.

(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 10/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 43: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: 00001  
Process: 002

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

**Item 43.2:**

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 # 6 residual fuel oil which contains sulfur in a quantity exceeding maximum percent of sulfur by weight of 0.30. The facility keeps records on file as deliveries are received. Records of the sulfur content of each delivery must be maintained at the facility for a period of at least five years. These records must be available to the department upon request during normal business hours.

The two Cleaver Brooks DLDH-60 boilers which are



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

identified as Emission Sources 00001 & 00002 in emission unit U-00001 burn # 6 oil as a secondary fuel to natural gas. Fuel usage is to be quantified via fuel purchase.

For emission units subject to Title V, summaries of these records must be included in the semiannual reports and annual compliance certifications.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 6 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.30 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 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 44: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001  
Process: 002

**Item 44.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 45: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

Process: 002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 45.2:**

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.

At the monitoring frequency stated below 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2008.

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

**Condition 46: Compliance Certification**

**Effective between the dates of 12/11/2007 and 12/10/2012**



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

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually on each of the three Cleaver Brooks DLDH-60 boilers in Emission Unit U-00002 at NYC-HH Kings County Hospital Center, each is rated at 49.9 MM Btu/hr, and are identified as Emission Sources 00003, 00004 & 00005 in Emission Unit U-00002. 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.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



(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.

(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 10/30/2008.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002    Emission Point: 00002  
Process: 020

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

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

**Monitoring Description:**

No person shall sell, offer for sale, purchase or use any # 6 residual fuel oil which contains sulfur in a quantity exceeding maximum percent of sulfur by weight of 0.30. The facility keeps records on file as deliveries are received. Records of the sulfur content of each delivery must be maintained at the facility for a period of at least five years. These records must be available to the Department upon request during normal business hours.

The three Cleaver Brooks DLDH-60 boilers in Emission Unit U-00002, and are identified as Emission Sources 00003, 00004 & 00005 burn # 6 fuel oil as a secondary fuel to natural gas. Fuel usage is to be quantified via fuel purchase.

For emission units subject to Title V, summaries of these records must be included in the semiannual reports and annual compliance certifications.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 6 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.30 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 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 48: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002  
Process: 020

**Item 48.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

The initial report is due 4/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 49: Compliance Certification**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

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

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002  
Process: 020

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

**Item 49.2:**

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.

At the monitoring frequency stated below 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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2008.

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



**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 50: Contaminant List**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable State Requirement: ECL 19-0301**

**Item 50.1:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**



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 51: Unavoidable noncompliance and violations**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable State Requirement: 6NYCRR 201-1.4**

**Item 51.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00249/00004**

**Facility DEC ID: 2610400249**

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 52: Air pollution prohibited**  
**Effective between the dates of 12/11/2007 and 12/10/2012**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 52.1:**

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.