



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 2-6104-00174/00011  
Effective Date: 12/01/2014 Expiration Date: 11/30/2024

Permit Issued To: BROOKDALE HOSPITAL MEDICAL CENTER  
1275 LINDEN BLVD  
BROOKLYN, NY 11212-3124

Contact: BROOKDALE HOSPITAL MEDICAL CENTER  
1275 LINDEN BLVD  
BROOKLYN, NY 11212-3124  
(718) 240-5636

Facility: BROOKDALE HOSPITAL MEDICAL CTR  
1275 LINDEN BLVD  
BROOKLYN, NY 11212

Contact: WILFRED WILLIAMS  
BROOKDALE HOSPITAL MEDICAL CENTER  
1 BROOKDALE PLZ  
BROOKLYN, NY 11212-3198  
(718) 240-5636

Description:

**PERMIT DESCRIPTION**  
**Brookdale Hospital Medical Center**  
**DEC ID # 2-6104-00174/00009 (ASF)**

Application for a new Air State Facility Permit with capping replacing the Title V Permit. Brookdale Hospital Medical Center is capping its NOx emissions at 24.9 tons per year, and its SO2 emissions at 99.8 tons per year. The facility operates boilers which supply steam for the space heating of the building.

This is a new Air State Facility (ASF) permit for Brookdale Hospital Medical Center in compliance with 6 NYCRR 201 - Permits and Regulations. Brookdale Hospital Medical Center, located at 1275 Linden Blvd (One Brookdale Plaza) in Brooklyn, New York, is a 525-bed hospital. The Industrial Classification Code (SIC) for this facility is 8062 - General Medical and Surgical Hospitals.

A review of prior years' fuel usage data and facility-wide actual annual emissions calculated indicate that the facility has been operating under the major source threshold for



all criteria pollutants. As a result, the facility wishes to cap its facility-wide NO<sub>x</sub> emissions at 24.9 tpy (below 25 tpy) and SO<sub>2</sub> emissions at 99.8 (below 100 tpy) and is submitting this Air State Facility Permit Application in accordance with 6 NYCRR Part 201-5.

Application for a new Air State Facility Permit with capping replacing the Title V Permit in compliance with 6 NYCRR 201- 5: Permits and Regulations. The facility formerly held a Title V Permit for Small Combustion Installation. This permit involves three (3) existing boilers/burners (Emission Unit U-00001) which supply steam for the heating of the building. The steam is produced by three (3) Babcock & Wilcox FM 1947 dual fuel boilers (Emission Sources E0001, E0002 & E0003). All three boilers were constructed in 12/1969 and are rated at 39.9 mm Btu/hr each. The three boilers are identified as Emission Unit U-00001 and are capable of firing either residual fuel oil # 6 (Process BOI) or natural gas (Process BNG). Natural gas is the primary fuel and #6 fuel oil is used as a secondary fuel; only in instances of natural gas supply outage. Typically, only one boiler is in operation and the other two are on standby. Emissions from the three boilers are exhausted through one common stack which is identified as Emission Point 00001.

Brookdale Hospital Medical Center (BHMC) is an Air State facility, operating several emission sources, which include, three identical Babcock & Wilcox FM 1947 mid-size boilers, and several other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c); including five (5) emergency power generators (<500 hrs/yr and operate on # 2 fuel oil); three (3) distillate and residual fuel oil storage tanks (<300,000 bbls); nine (9) gas-fired hot water heaters; ten (10) natural gas-fired boilers (< 10.0 MM Btu/hr); thirteen (13) laboratory fume hoods; five (5) research & development activities; and several natural gas fired air emissions sources used in the kitchen and cafe.

The Air State Facility Permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units, its emission points, and its processes. Brookdale Hospital Medical Center is subject to the provisions of the Air State Facility specified under 6 NYCRR 201-5 in addition to the following regulations and conditions:

1. As per 6 NYCRR 225-1.2, the facility is subject to the provisions of Title V for sulfur dioxide and is subject to 6 NYCRR 225-1.6, fuel composition and use - sulfur limitations, which restricts the sulfur content of distillate fuel oil utilized throughout the facility to 0.0015 % by weight or less as per 6 NYCRR 225-1.2.
2. The facility is required to conduct stack test for the Particulate emission limit of 0.10 pounds per million Btus for stationary combustion units firing oil, for the three mid-size boilers in Emission Unit U-00001 (Emission Sources E00001, E00002 & E00003) in Emission Unit U-00001 and Process BOI, in accordance with the permit condition for 6 NYCRR 227.2(b)(1). The three boilers are subject to the SIP particulate emission requirements under 6 NYCRR 227.2(b)(1) for the # 6 fuel oil process.
3. As per 6 NYCRR 227-1.3, Emission Point 00001 is subject to the particulate and smoke emission, and corrective action requirements of 6 NYCRR 227-1, stationary combustion installations for the smoke emission for the 20% opacity limit as required by 6 NYCRR 227-1.3(a), by conducting when required by DEC to test Method 9 as in Appendix A of 40 CFR 60.
4. As per 6 NYCRR 201-7.1, the facility is capping its NO<sub>x</sub> emissions at 24.9 tons per



year, and its SO2 emissions at 99.8 tons per year.

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

Permit Administrator:            JOHN F CRYAN  
    NYSDEC - REGION 2  
    47-40 21ST ST  
    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 compliance 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 any 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 \*\*\*\***  
**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: 6 NYCRR 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:**

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: 6 NYCRR 621.13**

**Item 4.1:**

The Department reserves the right to exercise all available authority 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: 6 NYCRR 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: 2-6104-00174/00011

Facility DEC ID: 2610400174



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: BROOKDALE HOSPITAL MEDICAL CENTER  
1275 LINDEN BLVD  
BROOKLYN, NY 11212-3124

Facility: BROOKDALE HOSPITAL MEDICAL CTR  
1275 LINDEN BLVD  
BROOKLYN, NY 11212

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

Permit Effective Date: 12/01/2014

Permit Expiration Date: 11/30/2024





**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6 NYCRR 201-3.2 (c): Compliance Demonstration
- 2 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 3 6 NYCRR 201-7.1: Facility Permissible Emissions
- \*4 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*5 6 NYCRR 201-7.1: Capping Monitoring Condition
- 6 6 NYCRR 211.1: Air pollution prohibited
- 7 6 NYCRR 225-1.2 (d): Compliance Demonstration
- 8 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 9 6 NYCRR 225-1.6: Compliance Demonstration
- 10 6 NYCRR 225-1.6 (c): Compliance Demonstration
- 11 6 NYCRR 227-1.3: Compliance Demonstration
- 12 6 NYCRR 227.2 (b) (1): Compliance Demonstration
- 13 40CFR 60, NSPS Subpart IIII: Applicability
- 14 40CFR 63, Subpart JJJJJ: Applicability
- 15 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP

**Emission Unit Level**

- 16 6 NYCRR 227-1.3: Compliance Demonstration
- 17 6 NYCRR 227-1.3 (a): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 18 ECL 19-0301: Contaminant List
- 19 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 20 6 NYCRR Subpart 201-5: Emission Unit Definition
- 21 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 22 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 23 6 NYCRR 211.2: Visible Emissions Limited

**Emission Unit Level**

- 24 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 25 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

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

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

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



required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6 NYCRR 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 F: Recycling and Salvage - 6 NYCRR 201-1.7**

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 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

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.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

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 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 J: Required Emission Tests - 6 NYCRR 202-1.1**



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

- Item K: Open Fires Prohibitions - 6 NYCRR 215.2**  
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.
- 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.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Compliance Demonstration**



Effective between the dates of 12/01/2014 and 11/30/2024

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

**Item 1.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The five (5) diesel fuel emergency power generators are exempt from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6).

6 NYCRR 201-3.2(c)(6):

Emergency power generating stationary internal combustion engines as defined in 200.1(cq) and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing.

6 NYCRR 200.1(cq):

Emergency power generating stationary internal combustion engine. A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal combustion engine.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

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 4/30/2015.

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



**Condition 2: Non Applicable requirements**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (g)**

**Item 2.1:**

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

40 CFR Part 60, Subpart JJJJ

Reason: There are no stationary spark ignition internal combustion engines at this facility.

**Condition 3: Facility Permissible Emissions**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 3.1:**

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  
Name: SULFUR DIOXIDE

PTE: 199,600 pounds per year

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

PTE: 49,800 pounds per year

**Condition 4: Capping Monitoring Condition**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 4.1:**

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:

6 NYCRR Subpart 201-6

6 NYCRR Subpart 231-2

**Item 4.2:**

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

**Item 4.3:**



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 4.4:**

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 4.5:**

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 4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Brookdale Hospital Medical Center will track the monthly #6 fuel oil and natural gas usage to calculate the facility-wide emissions of NOx on a 12-month rolling basis. The facility will ensure that the NOx emission rate at the facility is limited below the major source threshold of 25 tpy. On an annual basis, the facility will submit a certification to the NYSDEC showing the facility has met the emission cap.

The facility-wide NOx (oxides of nitrogen) emissions on a 12-month rolling basis are capped at 24.9 tons per year. The NOx emissions from all exempt sources (such as water heaters and boilers < 10.0 MM Btu/hr) are required to be included in the annual capping certification calculations.

The owner or operator shall maintain a record of the quantity of each fuel fired at the facility. Also, the owner or operator shall calculate (based on the fuel quantity) using the following formula:





$R(0.055) + G(100) + E(0.44) < 49,800$  lbs/yr of Oxides of Nitrogen emissions.

Where:

R = 12-month rolling total of residual oil fired (from boilers) in gals/yr

G = 12-month rolling total of natural gas fired (from boilers) in MMSCF/yr

E = 12-month rolling total of distillate oil fired (from engines) in gals/yr

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 24.9 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 4/30/2015.

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

**Condition 5: Capping Monitoring Condition**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 5.1:**

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:

40 CFR 52.21 (j)

**Item 5.2:**

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

**Item 5.3:**

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 5.4:**

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

New York State Department of Environmental Conservation

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



applicable requirement.

**Item 5.5:**

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 5.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 5.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Brookdale Hospital Medical Center will track the monthly #6 fuel oil and natural gas usage to calculate the facility-wide emissions of SO<sub>2</sub> on a 12-month rolling basis. The facility will ensure that the SO<sub>2</sub> emission rate at the facility is limited below the major source threshold of 100 tpy. On an annual basis, the facility will submit a certification to the NYSDEC showing the facility has met the emission cap.

Brookdale Hospital Medical Center has elected to accept caps to restrict the facility's emissions under the maximum equipment potential levels. Specifically, Brookdale Hospital Medical Center has elected to restrict emissions of NO<sub>x</sub> to 24.9 tpy and SO<sub>2</sub> to 99.8 tpy for each of these two pollutants.

Brookdale Hospital Medical Center is proposing to accept a cap on SO<sub>2</sub> emissions to 99.8 tpy or less. The following formula will be used to calculate the facility's monthly SO<sub>2</sub> emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO<sub>2</sub> emissions will be determined from the following equation:

$$Y = [(A \times B) + (C \times D) + (E \times F) + (G \times H)] / 2,000$$

where

Y = Monthly facility SO<sub>2</sub> emissions;  
A = the monthly consumption of # 6 fuel oil (1,000 gallons);  
B = 157 x S lbs SO<sub>2</sub> / 1,000 gallons burned

New York State Department of Environmental Conservation

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



(based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);

C = the hospital consumption of natural gas in all types of units (million cubic feet);

D = 0.6 lbs SO<sub>2</sub> / million cubic feet burned (based on EPA's AP-42 emission factors);

E = the large (>600 hp) diesel emergency generator consumption of diesel (1,000 gallons);

F = 19.5 lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factors);

G = the small (<600 hp) diesel emergency generator consumption of diesel (1,000 gallons);

H = 40 lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factors);

A rolling 12-month tally will be maintained to ensure compliance with the 99.8 tpy limit.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 99.8 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 4/30/2015.

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

**Condition 6: Air pollution prohibited**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 6.1:**

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.

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

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

**Item 7.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE



**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil (# 6 fuel oil) are limited to the firing of residual oil with a sulfur content of 0.30 percent by weight or lower on or after July 1, 2014.

Compliance shall be demonstrated through a certification submitted by the fuel oil supplier. Records of fuel supplier certification and quantity of fuel delivered shall be maintained at the facility.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five (5) years. The owner of the facility must submit to the Department such records and summaries within 30 days upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 6 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.30 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

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

**Item 8.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Emission sources that fire #2 fuel oil on or after July

New York State Department of Environmental Conservation

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



1, 2014 are limited to the purchase of #2 fuel oil with 0.0015 percent sulfur by weight or less. Compliance shall be demonstrated through a certification submitted by the fuel oil supplier. Records of fuel supplier certification and quantity of fuel delivered shall be maintained at the facility.

The owner of the facility must submit to the Department such records and summaries within 30 days upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.0015 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement: 6 NYCRR 225-1.6**

**Item 9.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§225-1.6 Reports, sampling, and analysis.

(a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.

(b) (1) Any person who sells oil and/or coal must retain, for at least five years, records containing the following information:

(i) fuel analyses and data on the quantities of all oil and coal received; and

(ii) the names of all purchasers, fuel analyses, and data



on the quantities of all oil and coal sold.

(2) Such fuel analyses must contain, as a minimum:

(i) data on the sulfur content, ash content, specific gravity, and heating value of residual oil;

(ii) data on the sulfur content, specific gravity, and heating value of distillate oil; and

(iii) data on the sulfur content, ash content, and heating value of coal.

(c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.

(d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.

(e) Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the department, and must be retained for at least five years. Facility owners or distributors must submit these records and summaries upon request of the department.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement: 6 NYCRR 225-1.6 (c)**

**Item 10.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**New York State Department of Environmental Conservation**

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records of fuel supplier certification and quantity of oil delivered shall be maintained for a minimum of 5 years. Each certification will contain the supplier's name, date of shipment, quantity shipped, sulfur content, and the method used to determine the sulfur content. Such certification will be made available to the NYSDEC upon request. A written report will be submitted when the sulfur-in-fuel limitation is exceeded and will be due 30 days after the end of the quarterly period in which the exceedance occurred.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 11.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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. When firing #6 fuel oil, the stack will be observed once per day for visible emissions. The observations will be conducted during daylight hours, except during adverse weather conditions. The results of each observation will be recorded in a bound logbook. The following data will be recorded for the stack: date and time of day; observer's name; identity of emissions point; weather condition; and whether a plume was observed. The logbook must be retained for a period of 5 years after the date of the last entry.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**Condition 12: Compliance Demonstration**  
Effective between the dates of 12/01/2014 and 11/30/2024

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

**Item 12.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: BOI	Emission Source: E0001
Emission Unit: U-00001	Emission Point: 00001
Process: BOI	Emission Source: E0002
Emission Unit: U-00001	Emission Point: 00001
Process: BOI	Emission Source: E0003

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

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of boilers (connected to the same emission point) with a maximum heat input exceeding 50 MM Btu/hr but no greater than 250 MM btu/hr firing oil, other than distillate oil, is 0.10 lbs/MM Btu. Brookdale Hospital Medical Center will demonstrate the particulate emission limit is met when firing #6 fuel oil with a stack test upon request by regulatory agency.

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

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

Manufacturer Name/Model Number: Babcock & Wilcox FM 1947



New York State Department of Environmental Conservation

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 13: Applicability**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII**

**Item 13.1:**

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

**Condition 14: Applicability**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ**

**Item 14.1:**

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJJ.

**Condition 15: Engines at Area sources of HAP**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 15.1:**

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

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

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 16.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:



Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0001
Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0002
Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0003

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - date and time of day
  - observer's name
  - identity of emission point
  - weather condition
  - was a plume observed?

Incident weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard



is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

\*\* NOTE \*\* Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0001
Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0002
Emission Unit: U-00001 Process: BOI	Emission Point: 00001 Emission Source: E0003

**Item 17.2:**

Compliance Demonstration 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.

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: AS REQUIRED - SEE MONITORING DESCRIPTION



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**  
**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

**Item B: 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 only enforceable.**

**Condition 18: Contaminant List**  
**Effective between the dates of 12/01/2014 and 11/30/2024**



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

**Item 18.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 19: Malfunctions and start-up/shutdown activities  
Effective between the dates of 12/01/2014 and 11/30/2024**

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

**Item 19.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

**New York State Department of Environmental Conservation**

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 20: Emission Unit Definition**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 20.1:**

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 consists of three (3) existing Babcock & Wilcox FM 1947 dual-fuel boilers/burners (Emission Sources E0001, E0002 & E0003), each with a maximum rated heat input of 39.9 MM Btu/hr and are capable of firing either natural gas (Process BNG) or residual fuel oil # 6 (Process BOI). Natural gas is the primary fuel and #6 fuel oil is used as a secondary fuel; only in instances of natural gas supply shortage/outage. Typically, only one boiler is in operation and the other two are on standby. The three (3) boilers were installed in 1969 and have a total heat input of 119.7 MM Btu/hr. The three boilers are used to provide process steam for comfort heating. Emissions from the three boilers are exhausted through one common stack which is identified as Emission Point 00001.

Building(s): 1

**Condition 21: Renewal deadlines for state facility permits**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR 201-5.2 (c)**

**Item 21.1:**

The owner or operator of a facility having an issued state facility 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.

**Condition 22: Compliance Demonstration**

**New York State Department of Environmental Conservation**

Permit ID: 2-6104-00174/00011

Facility DEC ID: 2610400174



**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 22.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 22.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 2  
47-40 21st St.  
Long Island City, NY 11101

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2015.

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

**Condition 23: Visible Emissions Limited**

**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 23.1:**

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.

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

**Condition 24: Emission Point Definition By Emission Unit**

**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 24.1:**

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

Emission Unit: U-00001





Emission Point: 00001  
Height (ft.): 206 Diameter (in.): 84  
NYTMN (km.): 4500.923 NYTME (km.): 591.933 Building: 1

**Condition 25: Process Definition By Emission Unit**  
**Effective between the dates of 12/01/2014 and 11/30/2024**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 25.1:**

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

Emission Unit: U-00001  
Process: BNG Source Classification Code: 1-03-006-02  
Process Description:

Process BNG consists of three (3) Babcock & Wilcox FM 1947 dual-fuel boilers/burners (Emission Sources E0001, E0002 & E0003) in Emission Unit U-00001, each with a maximum rated heat input of 39.9 MM Btu/hr, burning natural gas. Natural gas is the primary fuel and #6 fuel oil is used as a secondary fuel; only in instances of natural gas supply shortage/outage. Typically, only one boiler is in operation and the other two are on standby. Emissions from the three boilers are exhausted through one common stack which is identified as Emission Point 00001.

Emission Source/Control: E0001 - Combustion  
Design Capacity: 39.9 million Btu per hour

Emission Source/Control: E0002 - Combustion  
Design Capacity: 39.9 million Btu per hour

Emission Source/Control: E0003 - Combustion  
Design Capacity: 39.9 million Btu per hour

**Item 25.2:**

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

Emission Unit: U-00001  
Process: BOI Source Classification Code: 1-03-004-02  
Process Description:

Process BOI consists of three (3) Babcock & Wilcox FM 1947 dual-fuel boilers/burners (Emission Sources E0001, E0002 & E0003) in Emission Unit U-00001, each with a maximum rated heat input of 39.9 MM Btu/hr, burning # 6 fuel oil. Natural gas is the primary fuel and #6 fuel oil is used as a secondary fuel; only in instances of natural gas supply shortage/outage. Typically, only one boiler is in operation and the other two are on standby. Emissions from the three boilers are exhausted through one common stack which is identified as Emission Point 00001.



Emission Source/Control: E0001 - Combustion  
Design Capacity: 39.9 million Btu per hour

Emission Source/Control: E0002 - Combustion  
Design Capacity: 39.9 million Btu per hour

Emission Source/Control: E0003 - Combustion  
Design Capacity: 39.9 million Btu per hour

