



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 2-6002-00055/00010
Effective Date: 04/04/2016 Expiration Date: 04/03/2026

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

Contact: WOJCIECH J MICKOWSKI
NORTH CENTRAL BRONX HOSPITAL
3424 KOSSUTH AVE
BRONX, NY 10467-2410
(718) 519-3560

Facility: NORTH CENTRAL BRONX HOSPITAL
3424 KOSSUTH AVE
BRONX, NY 10467

Contact: DENNIS STIVELLA
NYC HH - NORTH CENTRAL BRONX HOSPITAL
545 FIRST AVE GREENBURG HALL
BRONX, NY 10467
(718) 519-3328

Description:

PERMIT DESCRIPTION
North Central Bronx Hospital
DEC ID #2-6002-00055/00007(ASF)

NYC-HH - North Central Bronx Hospital (NCBH) is located at 3424 Kossuth Avenue in the Bronx, New York, is a 255-bed hospital which provides healthcare. The Industrial Classification Code (SIC) for this facility is 8062 - General Medical and Surgical Hospitals.

This facility is currently a Title V facility, but the facility is downgrading the current Title V permit status to an Air State Facility (ASF) Permit by capping the facility-wide NOx emissions to 24.9 tons per year. The facility is operating five (5) boilers, two (2) exempt emergency diesel generators, four (4) fuel oil storage tanks and three (3) fume hoods. The Ethylene Oxide sterilizer was removed from the facility on 8/31/2005. All of the five boilers use natural gas as the primary fuel and # 2 fuel oil as the secondary fuel. The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight). However; Emission Source S0001 (the 58 MM Btu per hour Cleaver Brooks CB DL 60 boiler) has not been operated since 2010, at which time it failed the emissions testing to meet the NOx RACT requirements.

NYC-HH - North Central Bronx Hospital operates boilers which supply steam for the space



heating of the building. The steam is produced by five (5) boilers. The five (5) boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) operating on dual fuel, natural gas and #2 fuel oil. Natural gas is used as the primary fuel and #2 fuel oil is used as the secondary fuel. The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight). The boiler associated with Emission Source S0001, is a 58 MM Btu/hr Cleaver Brooks CB DL 60 and was constructed on 1/1/1981, the two (2) boilers associated with Emission Sources S0002 & S0003 are 24 MM Btu/hr Bryan Steam each and were constructed on 1/1/1999 and the two (2) boilers associated with Emission Sources S0004 & S0005 are 24 MM Btu per hour Bryan Steam each and were constructed on 1/1/2000. The five (5) boilers are collectively identified as Emission Unit U-00001. When the five (5) boilers operate on natural gas, this is defined as Process BNG, and when the five (5) boilers operate on # 2 fuel oil, this is defined as Process B02. Emissions from the five (5) boilers are exhausted through one common stack, which is identified as Emission Point 00001. The facility has removed the Ethylene Oxide sterilizer (Emission Source S0006 in Emission Unit U-00002) on 8/31/2005.

The current Title V permit (Renewal #2) is expiring on 10/31/2016. This application is being submitted to downgrade the current Title V permit status to an Air State Facility (ASF) Permit by capping the facility-wide NOx emissions to 24.9 tons per year. By downgrading to an Air State Facility (ASF) Permit, the facility can resume the operations of Boiler S0001 (the 58 MM Btu per hour CB boiler) without requiring to meet the NOx RACT emissions limitations. All five (5) boilers and two (2) emergency generators will be operated such that total annual NOx emissions will remain under 24.9 tons per year. The two emergency generators are 750 KW each.

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. NYC-HH North Central Bronx Hospital is subject to the provisions of Air State Facility specified under 6 NYCRR 201-5 in addition to the following regulations and conditions:

1. The facility is subject to the provisions of an Air State Facility for sulfur dioxide and is subject to 6 NYCRR 225-1.2, 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(f), (g) & (h) which has more stringent limit for New York City than 40 CFR 60-Dc.42c(h), NSPS.
2. Emission Point 00001 is subject to the particulate and smoke emission, and corrective action requirements of 6 NYCRR 227-1, stationary combustion installation for the 20% opacity limit as per 6 NYCRR 227-1.3(a).
3. 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 five boilers in Emission Unit U-00001 (Emission Sources S0001, S0002, S0003, S0004 & S0005) in Emission Unit U-00001 and Process B02, in accordance with the permit condition for 6 NYCRR 227.2(b)(1). The five boilers are subject to the SIP particulate emission requirements under 6 NYCRR 227.2(b)(1) for the # 2 fuel oil process.
4. Emission Sources S0002, S0003, S0004 & S0005 in Emission Unit U-00001 are subject to Part 60 - Standards of Performance for New Stationary Sources Subpart A-General Provisions for notification and recordkeeping, compliance with standards and maintenance requirements, availability of information, circumvention, monitoring



requirements, modification, and reconstruction. These four emission sources in Emission Unit U-00001 are also subject to Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for 40 CFR 60-Dc.40c - Steam generators 10-100 million BTU per hour, 40 CFR 60-Dc.46c (d) in terms of alternative sulfur dioxide emissions monitoring, and 40 CFR 60-Dc.48c(d), (e), (g) and (i) in terms of the monitoring, reporting and recordkeeping requirements for Reporting and Recordkeeping Requirements.

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c), including two (2) emergency power generators (<500 hours/yr), four (4) fuel oil storage tanks (<300,000 bbls) and three (3) ventilating and exhaust systems (fume hoods) for laboratory operations (one in the laboratory and two in the pharmacy). The two emergency power generators are identical and are pre 2006 Detroit Diesel - Delco-E6024M3 - 750 kw Emergency only use generators.

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: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

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 renewal application at least 180 days before expiration of permits for both Title V and 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: 2-6002-00055/00010

Facility DEC ID: 2600200055



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

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

Facility: NORTH CENTRAL BRONX HOSPITAL
3424 KOSSUTH AVE
BRONX, NY 10467

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

Permit Effective Date: 04/04/2016

Permit Expiration Date: 04/03/2026



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: Capping Monitoring Condition
 - 4 6 NYCRR 202-1.3: Acceptable procedures
 - 5 6 NYCRR 211.1: Air pollution prohibited
 - 6 6 NYCRR 225-1.2 (f): Compliance Demonstration
 - 7 6 NYCRR 225-1.2 (g): Compliance Demonstration
 - 8 6 NYCRR 225-1.2 (h): Compliance Demonstration
 - 9 6 NYCRR 225-1.6: Compliance Demonstration
 - 10 6 NYCRR 225-1.6 (c): Compliance Demonstration
 - 11 6 NYCRR 225-1.6 (d): Record Availability
 - 12 6 NYCRR 227-1.3: Compliance Demonstration
 - 13 6 NYCRR 227-1.3 (a): Compliance Demonstration
 - 14 6 NYCRR 227.2 (b) (1): Compliance Demonstration
 - 15 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
 - 16 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 17 40CFR 60.40c, NSPS Subpart Dc: Applicability of Subpart Dc General Provisions
 - 18 40CFR 60.40c, NSPS Subpart Dc: Compliance Demonstration
 - 19 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period
 - 20 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
 - 21 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements
 - 22 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Demonstration
 - 23 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
 - 24 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration
 - 25 40CFR 63, Subpart JJJJJ: Compliance and Enforcement
- #### Emission Unit Level
- 26 6 NYCRR 201-7.1: Emission Unit Permissible Emissions
 - 27 6 NYCRR 201-7.1: Process Permissible Emissions

EU=U-00001,EP=00001,Proc=B02,ES=S0001

- 28 6 NYCRR 202-1.1: Required emission tests
- 29 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 30 ECL 19-0301: Contaminant List
- 31 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 32 6 NYCRR Subpart 201-5: Emission Unit Definition
- 33 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 34 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 35 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 36 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 37 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 04/04/2016 and 04/03/2026

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 two (2) 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.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

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 4/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 2: Non Applicable requirements
Effective between the dates of 04/04/2016 and 04/03/2026

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 60.42c

Reason: 40 CFR 60-Dc.42c, NSPS, which limits the sulfur content in the distillate fuel oil to 0.50 percent by weight, is not applicable to all the five (5) Bryan Steam Boilers (Emission Sources S0001, S0002, S0003, S0004 or S0005) or to this facility. This regulation is overruled by regulation 6 NYCRR 225-1.2 (f), (g) & (h), which limits the sulfur content in the distillate fuel oil (#2 fuel oil) to 0.0015 percent by weight to facilities in the severe ozone non-attainment area such as New York City.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

NYC-HH - North Central Bronx Hospital must comply with the 0.0015 percent by weight sulfur content limit as per 6 NYCRR 225-1.2 (f), (g) & (h), which has more stringent limit for New York City than 40 CFR 60-Dc.42c, NSPS.

40 CFR Part 60, Subpart JJJJ

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

Condition 3: Capping Monitoring Condition
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3.1:

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 202-2.1

Item 3.2:

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

Item 3.3:

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 3.4:

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 3.5:

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 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V permit and is capping the NOx emissions to 24.9 tpy for an Air State Facility permit.

North Central Bronx Hospital will track the monthly natural gas and #2 fuel oil 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 NO_x (oxides of nitrogen) emissions on a 12-month rolling basis are capped at 24.9 tons per year on a rolling 12-month basis. The NO_x emissions from all exempt sources (such as water heaters and boilers < 1.0 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 in all emission sources at the facility. That includes all boilers in Emission Unit U-00001 (Emission Sources S0001, S0002, S0003, S0004 & S0005), and all exempt emergency engine generators at the facility. Also, the owner or operator shall calculate the annual NO_x emissions (based on the fuel quantity) using the following approved NYSDEC emission factors and formula:

$G(100) + D(0.02) + E(0.44) < 49,000$ lbs/yr of Oxides of Nitrogen emissions.

Where:

G = 12-month rolling total of natural gas fired in the boilers in Emission Unit U-00001 (Emission Sources S0001, S0002, S0003, S0004 & S0005) in MMSCF/yr

D = 12-month rolling total of distillate oil fired in the boilers in Emission Unit U-00001 (Emission Sources S0001, S0002, S0003, S0004 & S0005) in gals/yr

E = 12-month rolling total of distillate oil fired in all the diesel engine generators in gals/yr

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 24.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 4: Acceptable procedures
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement: 6 NYCRR 202-1.3



Item 4.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 5: Air pollution prohibited
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:6 NYCRR 211.1

Item 5.1:

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 6: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 6.2:

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 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.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).



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 7: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement: 6 NYCRR 225-1.2 (g)

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 a stationary combustion installation that fires distillate oil other than # 2 heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

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. The owner of an Air State Facility or a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 8: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

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:

Owners and/or operators of a stationary combustion installations that fire distillate oil (# 2 fuel oil) are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

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. The owner of an Air State Facility or a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND 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: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 9: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

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.

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The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Record Availability
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:6 NYCRR 225-1.6 (d)

Item 11.1: Facility owners required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the Department.

Condition 12: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 12.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0001
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0002
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0003
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0004
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0005

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

Item 12.2:
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 #2 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.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 13: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:

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 6 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
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 14: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 14.1:

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

Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0001
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0002
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0003
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0004
Emission Unit: U-00001 Process: B02	Emission Point: 00001 Emission Source: S0005

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

Item 14.2:

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. North Central Bronx Hospital 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.

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

Manufacturer Name/Model Number: BRYAN STEAM BOILERS

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 15: Applicability of Subpart A General Provisions
Effective between the dates of 04/04/2016 and 04/03/2026**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 15.1:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility

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owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 16: EPA Region 2 address.
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 16.1:

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

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

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

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

Condition 17: Applicability of Subpart Dc General Provisions
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 17.1:

For any emission sources that are subject to the applicable General Provisions of 40 CFR 60 Subpart Dc, the facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 18: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



This condition applies to all the Bryan Steam boilers defined in Emission Unit U-00001 as Emission Sources S0001, S0002, S0003, S0004 & S0005. Emission Source S0001 is a 58 MM Btu/hr and Emission Sources S0002, S0003, S0004 & S0005 are 24 MM Btu/hr each.

The affected facility to which this Subpart applies is each steam generating unit for which construction, modification or reconstruction commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million Btu/hr or less, but greater than or equal to 10 million Btu/hr. Steam generating units which meet the applicability requirements above are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (Subparts 60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in Subpart 60.14. Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

Condition 19: Exemption from the averaging period
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 19.1:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 20: Enforceability
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 20.1:

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

Condition 21: Exemption from sulfur dioxide monitoring requirements
Effective between the dates of 04/04/2016 and 04/03/2026

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



Item 21.1:

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

Condition 22: Compliance Demonstration

Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 22.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Should remove (5), (6), (8), (9), (10) & (11)
????

The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight).

(e) The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under § 60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

- (1) Calendar dates covered in the reporting period.
- (2) Each 30-day average SO₂ emission rate (ng/J or lb/MMBtu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.
- (3) Each 30-day average percent of potential SO₂ emission rate calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of the corrective actions taken.
- (4) Identification of any steam generating unit



operating days for which SO₂ or diluent (O₂ or CO₂) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

(5) Identification of any times when emissions data have been excluded from the calculation of average emission rates; justification for excluding data; and a description of corrective actions taken if data have been excluded for periods other than those during which coal or oil were not combusted in the steam generating unit.

(6) Identification of the F factor used in calculations, method of determination, and type of fuel combusted.

(7) Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.

(8) If a CEMS is used, identification of any times when the pollutant concentration exceeded the full span of the CEMS.

(9) If a CEMS is used, description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specifications 2 or 3 of appendix B of this part.

(10) If a CEMS is used, results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

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Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each operating day. The facility uses natural gas (Process BNG) and #2 fuel oil which is the ULSD (ultra low sulfur distillate oil #2), and contains 15 ppm or 0.0015 % maximum sulfur by weight.

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 10/30/2016.

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

Condition 24: Compliance Demonstration

Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 25: Compliance and Enforcement

Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 25.1:



This Condition applies to:

Emission Unit: U00001 Process: B02	Emission Point: 00001 Emission Source: S0001
Emission Unit: U00001 Process: B02	Emission Point: 00001 Emission Source: S0002
Emission Unit: U00001 Process: B02	Emission Point: 00001 Emission Source: S0003
Emission Unit: U00001 Process: B02	Emission Point: 00001 Emission Source: S0004
Emission Unit: U00001 Process: B02	Emission Point: 00001 Emission Source: S0005
Emission Unit: U00001 Process: BNG	Emission Point: 00001 Emission Source: S0001
Emission Unit: U00001 Process: BNG	Emission Point: 00001 Emission Source: S0002
Emission Unit: U00001 Process: BNG	Emission Point: 00001 Emission Source: S0003
Emission Unit: U00001 Process: BNG	Emission Point: 00001 Emission Source: S0004
Emission Unit: U00001 Process: BNG	Emission Point: 00001 Emission Source: S0005

Item 25.2:

The Department has not accepted delegation of 40 CFR Part 63 Subpart JJJJJJ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart JJJJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

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

Condition 26: Emission Unit Permissible Emissions
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable Federal Requirement:6 NYCRR 201-7.1

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Item 26.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 21.8 pounds per hour

191,000 pounds per year

**Condition 27: Process Permissible Emissions
Effective between the dates of 04/04/2016 and 04/03/2026**

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:

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

Emission Unit: U-00001 Process: B02

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 21.8 pounds per hour

191,000 pounds per year

Emission Unit: U-00001 Process: BNG

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 15.4 pounds per hour

135,000 pounds per year

**Condition 28: Required emission tests
Effective between the dates of 04/04/2016 and 04/03/2026**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 28.1:

This Condition applies to:

Emission Unit: U00001 Emission Point: 00001
Process: B02 Emission Source: S0002

Emission Unit: U00001 Emission Point: 00001
Process: B02 Emission Source: S0003



Emission Unit: U00001 Emission Point: 00001
Process: B02 Emission Source: S0004

Emission Unit: U00001 Emission Point: 00001
Process: B02 Emission Source: S0005

Item 28.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: B02 Emission Source: S0001

Item 28.2.3:

An acceptable report of measured emissions shall be submitted, if requested by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

Condition 29: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 29.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: B02 Emission Source: S0002

Emission Unit: U-00001 Emission Point: 00001
Process: B02 Emission Source: S0003

Emission Unit: U-00001 Emission Point: 00001
Process: B02 Emission Source: S0004

Emission Unit: U-00001 Emission Point: 00001
Process: B02 Emission Source: S0005

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

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.



Calendar dates covered in the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: 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 30: Contaminant List
Effective between the dates of 04/04/2016 and 04/03/2026



Applicable State Requirement:ECL 19-0301

Item 30.1:

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 31: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/04/2016 and 04/03/2026**

Applicable State Requirement:6 NYCRR 201-1.4

Item 31.1:

(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.



(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 32: Emission Unit Definition
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 32.1:

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 five (5) boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) operating on dual fuel, natural gas (Process BNG) and #2 fuel oil (Process B02). Natural gas is used as the primary fuel and #2 fuel oil is used as the secondary fuel. The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight). The boiler associated with Emission Source S0001 is a 58 million BTU per hour Cleaver Brooks CB DL 60 with CN burners and was constructed on 1/1/1981, the two (2) boilers associated with Emission Sources S0002 & S0003 are 24 million BTU per hour each Bryan Steam and were constructed on 1/1/1999 and the two (2) boilers associated with Emission Sources S0004 & S0005 are 24 million BTU per hour each Bryan Steam and were constructed on 1/1/2000. The five (5) boilers are collectively identified as Emission Unit U-00001. Exhaust gases are discharged to the atmosphere via a common stack, identified as Emission Point 00001. Given anytime, one or all five (5) boilers may be operated such that the total annual NO_x emission remains under the 24.9 tpy cap.

Building(s): MAIN

Condition 33: Renewal deadlines for state facility permits
Effective between the dates of 04/04/2016 and 04/03/2026



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

Item 33.1:

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 34: Compliance Demonstration
Effective between the dates of 04/04/2016 and 04/03/2026

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

Item 34.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 34.2:

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 35: Visible Emissions Limited
Effective between the dates of 04/04/2016 and 04/03/2026

Applicable State Requirement:6 NYCRR 211.2

Item 35.1:

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 36: Emission Point Definition By Emission Unit



Effective between the dates of 04/04/2016 and 04/03/2026

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 36.1:

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.): 48

NYTMN (km.): 4526.223 NYTME (km.): 594.233

Condition 37: Process Definition By Emission Unit

Effective between the dates of 04/04/2016 and 04/03/2026

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 37.1:

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

Emission Unit: U-00001

Process: B02

Source Classification Code: 1-03-005-02

Process Description:

Process B02 is the firing of # 2 fuel oil in all five external combustion boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) in Emission Unit U-00001. The #2 fuel oil allowed at the facility is the ULSD (ultra low sulfur distillate oil #2), which contains 15 ppm or 0.0015 % maximum sulfur by weight). Flue gases exit through a common stack identified as Emission Point 00001.

Given anytime, one or all five (5) boilers may be operated such that the total annual NOx emission remains under the 24.9 tpy cap.

Emission Source/Control: S0001 - Combustion

Design Capacity: 58 million Btu per hour

Emission Source/Control: S0002 - Combustion

Design Capacity: 24 million Btu per hour

Emission Source/Control: S0003 - Combustion

Design Capacity: 24 million Btu per hour

Emission Source/Control: S0004 - Combustion

Design Capacity: 24 million Btu per hour

Emission Source/Control: S0005 - Combustion

Design Capacity: 24 million Btu per hour

Item 37.2:



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

Emission Unit: U-00001

Process: BNG

Source Classification Code: 1-03-006-02

Process Description:

Process BNG is the firing of natural gas in all five external combustion boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) in Emission Unit U-00001. Flue gases exit through a common stack identified as Emission Point 00001.

Given anytime, one or all five (5) boilers may be operated such that the total annual NO_x emission remains under the 24.9 tpy cap.

Emission Source/Control: S0001 - Combustion
Design Capacity: 58 million Btu per hour

Emission Source/Control: S0002 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: S0003 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: S0004 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: S0005 - Combustion
Design Capacity: 24 million Btu per hour

