

Facility DEC ID: 3134600067

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1346-00067/00010
Effective Date: 08/22/2023 Expiration Date: 08/21/2033

Permit Issued To: VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

Contact: WILLIAM PEABODY
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604
(845) 437-7267

Facility: VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

Description:

Vassar College is a highly selective four year liberal arts college located in Poughkeepsie, NY. The campus extends over 1,000 acres and contains air emission sources in numerous locations, including the Central Heating Plant. The Central Heating Plant consists of five dual fuel boilers. All five of the boilers are capable of burning natural gas or number 2 fuel oil. Two of the five boilers are capable of also burning renewable fuel oil (RFO). There are also emission sources at the facility which are exempt from permitting, including small boilers and emergency generators.

The total Oxides of Nitrogen (NOx) emissions are capped at 95 tons per year as per 6 NYCRR Part 201-7. Thus, the facility can cap out of Title V requirements under 6 NYCRR 201-6 and 6 NYCRR 227-2.

Enclosed is Renewal 1 of the Air State Facility permit. There are no changes being made to the current permit.

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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: REBECCA S CRIST
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / ___

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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.

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Facility Level

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-REGION 3 HEADQUARTERS

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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 the expiration of permits for 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.

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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 3
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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

Facility: VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

Authorized Activity By Standard Industrial Classification Code:
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 08/22/2023

Permit Expiration Date: 08/21/2033

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- 10 7 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
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- 12 12 40CFR 63, Subpart JJJJJJ: Applicability
- 12 13 40CFR 63.11205(b), Subpart JJJJJJ: Compliance
- 12 14 40CFR 63.11235, Subpart JJJJJJ: General provisions

Emission Unit Level

EU=U-00BLR

- 12 15 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Demonstration

EU=U-00BLR,Proc=N02

- 13 16 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards
- 13 17 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Demonstration

EU=U-00BLR,Proc=POR

- 14 18 40CFR 60.47c, NSPS Subpart Dc: Compliance Demonstration

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- 18 20 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 18 21 6 NYCRR Subpart 201-5: Emission Unit Definition
- 19 22 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 19 23 6 NYCRR 201-5.3: Compliance Demonstration
- 19 24 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 20 25 6 NYCRR 211.1: Air pollution prohibited

Emission Unit Level

- 20 26 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/FINAL

**** 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,

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required to operate such device effectively.

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

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

Item E: 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 F: 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 G: 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 H: Proof of Eligibility for Sources Defined as Trivial

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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 I: 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 J: 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 K: 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 L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

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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: Facility Permissible Emissions
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1.1:

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

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

CAS No: 0NY210-00-0	PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN	

Condition 2: Capping Monitoring Condition
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2.1:

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 227-2

Item 2.2:

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

Item 2.3:

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,

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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 2.4:

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 2.5:

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 2.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Emissions of oxides of nitrogen (NO_x) from the facility shall not exceed 95 tons in any consecutive 12-month period. Emissions of NO_x from the boilers must be calculated using the equation below:

$$\text{NO}_x \text{ emissions (in pounds)} = 65(A) + 100(B) + 20(C) + 0.175(D) + 2270(E) + 617.4(F)$$

where

A = amount of natural gas (per mmcf) used by Boiler Nos. 1 & 2

B = amount of natural gas (per mmcf) used by all other boilers

C = amount of number 2 oil (per 1000 gal) used by any boiler

D = amount of RFO (per mmBtu) used by Boiler Nos. 1 & 2

E = amount of natural gas (per mmcf) used by spark ignition engines

F = amount of diesel (per 1000 gal) used by compression engines

All records used to determine compliance must be kept at the facility (or other Department approved location) for a

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minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 95 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 1/30/2024.
 Subsequent reports are due every 12 calendar month(s).

Condition 3: Visible Emissions Limited
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:6 NYCRR 211.2

Item 3.1:

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

Condition 4: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 4.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: NUMBER 2 OIL
 Parameter Monitored: SULFUR CONTENT

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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 5: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 5.1:

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

Emission Unit: U-00BLR
Process: N02

Emission Unit: U-00BLR
Process: POR

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any owner or operator of a stationary combustion installation (excluding combustion turbines) or a group of stationary combustion installations firing oil or oil in combination with other liquid or gaseous fuels with a total maximum heat input capacity of at least 50 million Btus per hour is required to meet the 0.1 lbs/mmBtu particulate matter standard. Compliance with this standard will be met by keeping vendor certified fuel receipts which contain the sulfur content of the oil being fired as required in Subpart 225-1 of this Title.

Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2024.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:6 NYCRR 227-1.4 (a)

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:

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Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM) and maintain a record of all measurements made by the COM and the hours of COM downtime. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

**Condition 7: EPA Region 2 address.
Effective between the dates of 08/22/2023 and 08/21/2033**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 7.1:

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 8: Recordkeeping requirements.
Effective between the dates of 08/22/2023 and 08/21/2033**

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

Item 8.1:

This Condition applies to:

Emission Unit: U00BLR

Item 8.2:

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

Condition 9: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 9.1:

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

Emission Unit: U-00BLR

Item 9.2:

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 day.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Applicability
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 10.1:

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

Condition 11: Applicability
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

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Item 11.1:

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

Condition 12: Applicability

Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 12.1:

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

Condition 13: Compliance

Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:40CFR 63.11205(b), Subpart JJJJJ

Item 13.1:

The owner or operator of an industrial, commercial, or institutional boiler must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or a continuous monitoring system (CMS), including a continuous emission monitoring system (CEMS), a continuous opacity monitoring system (COMS), or a continuous parameter monitoring system (CPMS), where applicable. The owner or operator may demonstrate compliance with the applicable mercury emission limit using fuel analysis if the emission rate calculated according to 40 CFR 63.11211(c) is less than the applicable emission limit. Otherwise, you must demonstrate compliance using stack testing.

Condition 14: General provisions

Effective between the dates of 08/22/2023 and 08/21/2033

Applicable Federal Requirement:40CFR 63.11235, Subpart JJJJJ

Item 14.1:

Table 8 to subpart JJJJJ shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to the facility. The owner or operator is responsible for ensuring they comply with all General Provisions contained in Table 8.

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

Condition 15: Compliance Demonstration

Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 15.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: U-00BLR

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, oil-fired, or wood-fired affected facility subject to the opacity limits under 40 CFR 60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

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

Condition 16: Enforceability of particulate matter and opacity standards Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 16.1:

This Condition applies to Emission Unit: U-00BLR

Process: N02

Item 16.2:

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

Condition 17: Compliance Demonstration Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00BLR

Process: N02

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067

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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

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

Condition 18: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033

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

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00BLR

Process: POR

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 18.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an affected facility that combusts residual oil, coal or wood and has heat input capacity greater than 30 mmbtu/hr shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity averaging over 6-minutes, except for one 6-minute period per hour of not more than 27% opacity.

Facilities combusting oil subject to section 40 CFR 60-Dc.43c shall install, calibrate, maintain, and operate CEMs for opacity. All CEMs shall be operated in accordance with appendix B of part 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067

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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

(2) the equipment at the facility was being properly operated and maintained;

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

(4) the facility owner 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 any corrective actions taken.

(b) In any enforcement proceeding, the facility owner 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 malfunction provision contained in any applicable requirement.

Item B: 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

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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 C: 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 19: Contaminant List

Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:ECL 19-0301

Item 19.1:

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

Permit ID: 3-1346-00067/00010

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Condition 20: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:6 NYCRR 201-1.4

Item 20.1:

(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 maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility 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 21: Emission Unit Definition
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1:

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Facility DEC ID: 3134600067

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

Emission Unit: U-00BLR

Emission Unit Description:

This emission unit consists of five (5) boilers at the Central Heating Plant. All five of the boilers are capable of burning natural gas or number 2 fuel oil. Two of the five boilers are capable of also burning renewable fuel oil (RFO).

Building(s): CHP

**Condition 22: Renewal deadlines for state facility permits
Effective between the dates of 08/22/2023 and 08/21/2033**

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

Item 22.1:

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 23: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033**

Applicable State Requirement:6 NYCRR 201-5.3

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 facility must maintain a list of emergency generators on site, which includes location, fuel, and horsepower rating. All records used to determine compliance must be kept at the facility (or other Department approved location) for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 24: Compliance Demonstration
Effective between the dates of 08/22/2023 and 08/21/2033**

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

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067

Item 24.2:

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 3
21 South Putt Corners Rd.
New Paltz, NY 12561

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Air pollution prohibited
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:6 NYCRR 211.1

Item 25.1:

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.

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

Condition 26: Emission Point Definition By Emission Unit
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 26.1:

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

Emission Unit: U-00BLR

Emission Point: CHP01

Height (ft.): 50 Diameter (in.): 24
NYTMN (km.): 4615.6 NYTME (km.): 592. Building: CHP

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Emission Point: CHP02			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4615.6	NYTME (km.): 592.	Building: CHP	
Emission Point: CHP03			
Height (ft.): 50	Diameter (in.): 36		
NYTMN (km.): 4615.6	NYTME (km.): 592.	Building: CHP	
Emission Point: CHP04			
Height (ft.): 50	Diameter (in.): 36		
NYTMN (km.): 4615.6	NYTME (km.): 592.	Building: CHP	
Emission Point: CHP05			
Height (ft.): 60	Diameter (in.): 48		
NYTMN (km.): 4615.6	NYTME (km.): 592.	Building: CHP	

Condition 27: Process Definition By Emission Unit
Effective between the dates of 08/22/2023 and 08/21/2033

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 27.1:

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

Emission Unit: U-00BLR
 Process: N02 Source Classification Code: 1-03-005-02
 Process Description:
 This process represents number 2 oil combustion associated with four out of the five boilers at the Central Heating Plant. Boilers #1 and #2 are equipped with low NOx burners to reduce NOx emissions.

Emission Source/Control: BLR01 - Combustion
 Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR02 - Combustion
 Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR03 - Combustion
 Design Capacity: 32 million Btu per hour

Emission Source/Control: BLR04 - Combustion
 Design Capacity: 32 million Btu per hour

Emission Source/Control: BLR05 - Combustion
 Design Capacity: 50.5 million Btu per hour

Item 27.2:

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

Emission Unit: U-00BLR

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067

Process: P01 Source Classification Code: 1-03-006-02

Process Description:

This process represents natural gas combustion associated with the five boilers at the Central Heating Plant. Boilers #1 and #2 are equipped with low NOx burners to reduce NOx emissions.

Emission Source/Control: BLR01 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR02 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR03 - Combustion
Design Capacity: 32 million Btu per hour

Emission Source/Control: BLR04 - Combustion
Design Capacity: 32 million Btu per hour

Emission Source/Control: BLR05 - Combustion
Design Capacity: 50.5 million Btu per hour

Item 27.3:

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

Emission Unit: U-00BLR

Process: POR Source Classification Code: 1-03-005-02

Process Description:

This process represents renewable fuel oil (RFO) combustion associated with Boilers #1 and #2 at the Central Heating Plant. Boilers #1 and #2 are equipped with low NOx burners to reduce NOx emissions.

Emission Source/Control: BLR01 - Combustion
Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR02 - Combustion
Design Capacity: 30.6 million Btu per hour

Permit ID: 3-1346-00067/00010

Facility DEC ID: 3134600067