

Facility DEC ID: 3553400055

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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 3-5534-00055/00005  
Effective Date: 01/25/2021 Expiration Date: 01/24/2031

Permit Issued To: NEW YORK MEDICAL COLLEGE  
ADMIN BLDG  
100 GRASSLANDS RD  
VALHALLA, NY 10595

Contact: WILLIAM LIEDY  
NY MEDICAL COLLEGE/GRASSLANDS RESERVATION  
100 GRASSLANDS RD  
VALHALLA, NY 10595

Facility: NY MEDICAL COLLEGE/GRASSLANDS RESERVATION  
100 GRASSLANDS RD  
VALHALLA, NY 10595

**Description:**

New York Medical College (NYMC) operates a School of Medicine and Public Health. It is located at the intersection of Routes 100A and 100C, on a property owned by Westchester County in Valhalla, NY. It is in the same campus with the Westchester County Medical Center. New York Medical College is engaged in small laboratory-scale research and development activities. The facility's main sources of emissions are its five proposed boilers that supply heat and hot water to campus buildings and processes.

This is a renewal of the Site's State Facility Permit. This Facility operates combustion sources such as boilers and Internal combustion engines for emergency use. These sources are burning either No.2 Oil or natural gas. The facility has capped the Nitrogen oxide emissions 24.9 tons per year. This renewal additionally addresses the installation of an Ethylene Oxide (ETO) sterilization unit intended for limited use at the research side of the facility. The ethylene oxide use is capped to 12.5 lbs per year.

The facility shall submit semi-annual compliance reports. In addition, the facility shall maintain records pertaining to all permit requirements. Applicable regulations include 6 NYCRR Parts 201-3, 201-5, 201-7, 211, 212, 225, 227-1 as well as 40 CFR 60-part Dc, 63, 68, 82.

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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**

- 6 5 Submission of application for permit modification or renewal-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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**Permit Under the Environmental Conservation Law (ECL)**

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Permit Issued To: NEW YORK MEDICAL COLLEGE  
ADMIN BLDG  
100 GRASSLANDS RD  
VALHALLA, NY 10595

Facility: NY MEDICAL COLLEGE/GRASSLANDS RESERVATION  
100 GRASSLANDS RD  
VALHALLA, NY 10595

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

Permit Effective Date: 01/25/2021

Permit Expiration Date: 01/24/2031

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**FEDERALLY ENFORCEABLE CONDITIONS**

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- 6 1 40 CFR Part 68: Accidental release provisions.
- 6 2 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 7 3 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- 7 \*4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 9 5 6 NYCRR 211.2: Visible Emissions Limited
- 9 6 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 9 7 6 NYCRR 227-1.3: Compliance Demonstration
- 11 8 40CFR 60.42c, Subpart Dc: Compliance Demonstration
- 12 9 40CFR 60.44c(a), NSPS Subpart Dc: Compliance Demonstration
- 12 10 40CFR 63, Subpart JJJJJ: Applicability

**Emission Unit Level**

**EU=U-EMGEN**

- 13 11 6 NYCRR Subpart 201-3: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

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- 16 12 ECL 19-0301: Contaminant List
- 17 13 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 17 14 6 NYCRR Subpart 201-5: Emission Unit Definition
- 19 15 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 19 16 6 NYCRR 201-5.3 (c): CLCPA Applicability
- 19 17 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 20 18 6 NYCRR 211.1: Air pollution prohibited

**Emission Unit Level**

- 20 19 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 21 20 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

**EU=0-00006,EP=00006,Proc=0B6,ES=000B6**

- 23 21 6 NYCRR 212-2.2: Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



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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**

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: 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: Accidental release provisions.**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 1.1:**

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

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

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

**Condition 2: Recycling and Emissions Reduction**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 2.1:**

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

**Condition 3: Facility Permissible Emissions**

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**Applicable Federal Requirement:6 NYCRR Subpart 201-7****Item 3.1:**

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

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

CAS No: 0NY210-00-0

PTE: 44,460 pounds per year

Name: OXIDES OF NITROGEN

**Condition 4: Capping Monitoring Condition**

Effective between the dates of 01/25/2021 and 01/24/2031

**Applicable Federal Requirement:6 NYCRR Subpart 201-7****Item 4.1:**

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

6 NYCRR Subpart 201-6

6 NYCRR 227-2.4 (d)

6 NYCRR Subpart 231-2

**Item 4.2:**

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

**Item 4.3:**

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

**Item 4.4:**

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

**Item 4.5:**

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

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**Item 4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Part 201-6 (Title V) by limiting the quantity of nitrogen oxide emissions from all air contamination sources to 22.4 tons per year. Hence, the facility will be exempted from 227-2.4(d) which applies to major sources.

Fuel consumption usage from all sources shall be recorded and NOx emissions shall be calculated monthly. The following formula will be used to calculate NOx emissions:

$$(100 \text{ lb of NOx} / \text{mmCF of natural gas}) * A + (20 \text{ lbs of NOx} / 10^3 \text{ gallons of No.2 oil}) * B =$$

$$= 22.4 \text{ tons of NOx /yr} * 2000 \text{ lbs/ton,}$$

where: A = quantity of natural gas burned  
in million cubic feet per year

B = quantity of No. 2 oil  
burned in thousand gallons per year.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 22.4 tons per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 5: Visible Emissions Limited**

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**Applicable Federal Requirement:6 NYCRR 211.2****Item 5.1:**

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 6: Compliance Demonstration**  
Effective between the dates of 01/25/2021 and 01/24/2031**Applicable Federal Requirement:6 NYCRR 225-1.2 (h)****Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 6.2:**

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 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 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.

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 7: Compliance Demonstration**  
Effective between the dates of 01/25/2021 and 01/24/2031

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**Applicable Federal Requirement: 6 NYCRR 227-1.3****Item 7.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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





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Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY  
 Averaging Method: 30-DAY AVERAGE  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 9.1:**

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

Emission Unit: 0-00001

Emission Unit: 0-00002

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

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Upon request by the Department compliance tests shall be conducted following the procedures specified in paragraphs 60.8, 60.44c (b), (c) and (d). Alternative demonstrations of the compliance performance test could be based on fuel oil sulfur limits under 60.42c based on shipment fuel sampling.  
 A certification from the fuel supplier as described under 60.48c, shall be submitted upon request.  
 The Department may request that stack testing be carried out to ensure compliance with this limit.

Manufacturer Name/Model Number: N/A  
 Parameter Monitored: SULFUR DIOXIDE  
 Upper Permit Limit: 0.5 pounds per million Btus  
 Reference Test Method: Method 19  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 10: Applicability**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 10.1:**

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

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

**Condition 11: Compliance Demonstration  
Effective between the dates of 01/25/2021 and 01/24/2031**

**Applicable Federal Requirement:6 NYCRR Subpart 201-3**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-EMGEN

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The operation of each generators is limited to 500 hours per year. The facility shall maintain records of startup and shut down of each unit. These records shall be provided to the Department upon request. The emissions of the generators shall be taken into account when the total facility emissions are calculated.

The emergency generator shall meet the definition of part 6 NYCRR 200.1 (cq), below: " 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."

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 500 hours per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

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Averaging Method: ANNUAL TOTAL  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 12 calendar month(s).

**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by 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 be demonstrated 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 permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner 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 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 or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item B: Public Access to Recordkeeping for 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.

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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 12: Contaminant List**

Effective between the dates of 01/25/2021 and 01/24/2031

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

**Item 12.1:**

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

CAS No: 000075-21-8  
Name: ETHYLENE OXIDE

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE

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

**Condition 13: Malfunctions and start-up/shutdown activities**

Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

Effective between the dates of 01/25/2021 and 01/24/2031

**Applicable State Requirement:6 NYCRR 201-1.4****Item 13.1:**

(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 14: Emission Unit Definition**

Effective between the dates of 01/25/2021 and 01/24/2031

**Applicable State Requirement:6 NYCRR Subpart 201-5****Item 14.1:**

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

Emission Unit: 0-00001

Emission Unit Description:

Boiler No. 1 has a maximum heat input of about 19.5

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mmbtu/hr and is subject to the New Source Performance Standard (NSPS), Part Dc as well as to 6 NYCRR Part 225.1 among others.

Building(s): PWR

**Item 14.2:**

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

Emission Unit: 0-00002

Emission Unit Description:

Boiler No. 2 has a maximum heat input of about 19.5 mmbtu/hr and is subject to the New Source Performance Standard (NSPS), Part Dc as well as to 6 NYCRR Part 225.1, among others.

Building(s): PWR

**Item 14.3:**

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

Emission Unit: 0-00003

Emission Unit Description:

Boiler No. 3 has a maximum heat input of about 2.1 mmbtu/hr. This boiler combusts natural gas only and supplies steam exclusively to the autoclaving and cage cleaning processes.

Building(s): PWR

**Item 14.4:**

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

Emission Unit: 0-00004

Emission Unit Description:

Boilers No. 4 and No. 5, each has a maximum heat input of about 6.2 mmbtu/hr and are subject to 6 NYCRR, Part 225.1, among others.

Building(s): PWR ICP

**Item 14.5:**

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

Emission Unit: 0-00006

Emission Unit Description:

Sterilizer - This is an ethylene oxide sterilization unit which is used to clean bedding for medical research & development purposes. The unit uses small quantities of ethylene oxide, a toxic air pollutant. Annual emissions of ethylene oxide are capped at 12.5 lbs per year.

Building(s): PWR

**Item 14.6:**

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



Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

Emission Unit: U-EMGEN

Emission Unit Description:

Emergency Generators - This emission unit comprise nine emergency generators. These generators are exempt sources provided that each one of them does not exceed 500 hours of operation per year.

**Condition 15: Renewal deadlines for state facility permits**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 15.1:**

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 16: CLCPA Applicability**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 16.1:**

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 17.2:**

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

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Facility DEC ID: 3553400055

21 South Putt Corners Rd.  
New Paltz, NY 12561

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 12 calendar month(s).

**Condition 18: Air pollution prohibited**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 18.1:**

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 19: Emission Point Definition By Emission Unit**  
**Effective between the dates of 01/25/2021 and 01/24/2031**

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

**Item 19.1:**

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

Emission Unit: 0-00001

Emission Point: 00001

Height (ft.): 26

Diameter (in.): 24

NYTMN (km.): 4547.1

NYTME (km.): 600.9

Building: PWR

**Item 19.2:**

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

Emission Unit: 0-00002

Emission Point: 00002

Height (ft.): 26

Diameter (in.): 24

NYTMN (km.): 4547.1

NYTME (km.): 600.9

Building: PWR

**Item 19.3:**

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

Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

Emission Unit: 0-00003

Emission Point: 00003

Height (ft.): 26

Diameter (in.): 12

NYTMN (km.): 4547.1

NYTME (km.): 600.9

Building: PWR

**Item 19.4:**

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

Emission Unit: 0-00004

Emission Point: 00004

Height (ft.): 36

Diameter (in.): 18

NYTMN (km.): 4547.1

NYTME (km.): 600.9

Building: PWR ICP

**Item 19.5:**

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

Emission Unit: 0-00006

Emission Point: 00006

Height (ft.): 30

Diameter (in.): 1

NYTMN (km.): 4547.1

NYTME (km.): 600.9

Building: PWR

**Condition 20: Process Definition By Emission Unit**

Effective between the dates of 01/25/2021 and 01/24/2031

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

**Item 20.1:**

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

Emission Unit: 0-00001

Process: NG1

Source Classification Code: 1-03-006-02

Emission Source/Control: 000B1 - Combustion

Design Capacity: 19.5 million Btu per hour

**Item 20.2:**

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

Emission Unit: 0-00001

Process: OL1

Source Classification Code: 1-03-005-02

Emission Source/Control: 000B1 - Combustion

Design Capacity: 19.5 million Btu per hour

**Item 20.3:**

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

Emission Unit: 0-00002

Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

Process: NG2

Source Classification Code: 1-03-006-02

Emission Source/Control: 000B2 - Combustion

Design Capacity: 19.5 million Btu per hour

**Item 20.4:**

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

Emission Unit: 0-00002

Process: OL2

Source Classification Code: 1-03-005-02

Emission Source/Control: 000B2 - Combustion

Design Capacity: 19.5 million Btu per hour

**Item 20.5:**

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

Emission Unit: 0-00003

Process: NG3

Source Classification Code: 1-03-006-03

Emission Source/Control: 000B3 - Combustion

Design Capacity: 2.1 million Btu per hour

**Item 20.6:**

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

Emission Unit: 0-00004

Process: NG4

Source Classification Code: 1-03-006-02

Emission Source/Control: 000B4 - Combustion

Design Capacity: 6.2 million Btu per hour

Emission Source/Control: 000B5 - Combustion

Design Capacity: 6.2 million Btu per hour

**Item 20.7:**

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

Emission Unit: 0-00004

Process: OL4

Source Classification Code: 1-03-005-02

Emission Source/Control: 000B4 - Combustion

Design Capacity: 6.2 million Btu per hour

Emission Source/Control: 000B5 - Combustion

Design Capacity: 6.2 million Btu per hour

**Item 20.8:**

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

Emission Unit: 0-00006

Process: 0B6

Source Classification Code: 3-15-020-01

Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

Emission Source/Control: 000B6 - Process

**Item 20.9:**

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

Emission Unit: U-EMGEN

Process: GAS

Source Classification Code: 2-03-002-01

Process Description:

Emergency generators burning natural gas.

Each generator cannot exceed 500 hours of operation per year.

Emission Source/Control: GEN03 - Combustion

Design Capacity: 600 kilowatts

Emission Source/Control: GEN05 - Combustion

Design Capacity: 48 kilowatts

Emission Source/Control: GEN07 - Combustion

Design Capacity: 135 kilowatts

Emission Source/Control: GEN09 - Combustion

Design Capacity: 60 kilowatts

**Item 20.10:**

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

Emission Unit: U-EMGEN

Process: OIL

Source Classification Code: 2-03-002-01

Process Description:

Emergency Generators burning No.2 oil.

Each generator cannot exceed 500 hours of operation per year.

Emission Source/Control: GEN01 - Combustion

Design Capacity: 300 kilowatts

Emission Source/Control: GEN02 - Combustion

Design Capacity: 600 kilowatts

Emission Source/Control: GEN04 - Combustion

Design Capacity: 75 kilowatts

Emission Source/Control: GEN06 - Combustion

Design Capacity: 500 kilowatts

**Condition 21: Compliance Demonstration**

**Effective between the dates of 01/25/2021 and 01/24/2031**

**Applicable State Requirement:6 NYCRR 212-2.2**

Permit ID: 3-5534-00055/00005

Facility DEC ID: 3553400055

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Emission Point: 00006

Process: 0B6

Emission Source: 000B6

Regulated Contaminant(s):

CAS No: 000075-21-8

ETHYLENE OXIDE

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility shall keep records of ethylene oxide usage which shall not exceed 12.5 lbs per year. The sterilizer is intended to be used on a 14 hour/day cycle for 156 days per year. Compliance will be ascertained by ethylene oxide purchase records which the facility shall maintain and shall monthly calculate the annual usage on a 12-month-rolling basis.

Manufacturer Name/Model Number: Anderson - Anprolene Sterilization System, Model #AN74

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 12.5 pounds per year

Reference Test Method: N/A

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 1/30/2021.

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

**Permit ID: 3-5534-00055/00005**

**Facility DEC ID: 3553400055**