

Facility DEC ID: 9140200406

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1402-00406/00007
Effective Date: 07/31/2025 Expiration Date: 07/30/2035

Permit Issued To: ROSWELL PARK CANCER INSTITUTE CORP
666 ELM AND CARLTON ST
BUFFALO, NY 14263

Facility: ROSWELL PARK CANCER INSTITUTE
666 ELM & CARLTON STS
Buffalo, NY 14263

Contact: RAYMOND A JONES
666 ELM AND CARLTON ST
BUFFALO, NY 14263
(716) 845-8138

Description:
Roswell Park Cancer Institute Corporation d/b/a Roswell Park Comprehensive Cancer Center (“RPCI”) provides a comprehensive array of inpatient and outpatient cancer treatment services, as well as a wide variety of cancer research, education, and prevention activities, on a local, national, and international scale. RPCI operates three dual-fuel boilers that supply heat and sterilization and cooking steam throughout RPCI's hospital/research complex. Each boiler can burn natural gas or No. 2 fuel oil and has a maximum heat rating of 83 MMBTU/hr. RPCI also operates 13 diesel-fired generators that are used for emergencies and participation in the New York Independent System Operator (NYISO) demand response program for a maximum of 100 hours per year, each. The boilers are subject to the requirements of 6 NYCRR 227-1, Stationary Combustion Installations and 40 CFR 60 Subpart Dc—Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. All fuel oil and diesel used at RPCI is subject to 6 NYCRR 225-1, Fuel Composition and Use - Sulfur Limitations.

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Emission Caps:

In accordance with 6 NYCRR 201-5.1(a)(1) and 201-7.1, the facility must limit actual emissions of carbon monoxide (CO) and nitrogen oxides (NOX) to less than 99 tons per year (tpy) for each contaminant, on a 12-month rolling total basis, for purposes of capping out of the applicability requirements of 6 NYCRR Parts 201-6, 227-2, 231-2, and 40 CFR 52.21.

RPCI must ensure continued compliance with the emission caps by calculating the facility-wide rolling 12-month CO and NOx totals every month. The facility shall submit an annual emission capping certification for the previous calendar year to the Department by January 30th of each year.

Sulfur-in-fuel Limit:

In accordance with 6 NYCRR 225-1, the boilers and generators must use No. 2 fuel oil and diesel that complies with the sulfur content limit of 0.0015% sulfur by weight and maintain records of fuel oil consumption and diesel fuel supplier certifications.

Boilers:

All three 83 MMBTU/hr dual-fuel boilers are Volcano Model D3-70L and are equipped with low NOx burners and flue gas recirculation (FGR). The three boilers exhaust to a common stack and are subject to the particulate matter (PM) and sulfur limits, and testing, reporting and recordkeeping requirements in 40 CFR 60 Subpart Dc. Per 40 CFR 60.43c(c), the opacity of emissions from each boiler must not exceed 20%. The facility must conduct daily visible emissions inspections for each boiler exhaust when No. 2 fuel oil is utilized and maintain records of these inspections.

The facility also operates exempt boilers and space heaters that each have a maximum heat input rating that is less than 10 MMBtu/hr.

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Emergency Generators:

RPCI operates 13 compression ignition (CI) emergency generators for use in emergencies and the NYISO demand response program for a maximum of 100 hours per year, each. Eleven generators are subject to applicable requirements specified in 40 CFR Part 63, Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and two generators are subject to the applicable requirements specified in 40CFR60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

All records required to verify compliance with 40 CFR 60 Subpart IIII and supporting documentation shall be maintained onsite for a minimum of 5 years.

Permit Changes:

The previously permitted San I Pak sterilizer (emission source SAN-1) has been removed from the facility and this renewal permit. The SO₂ emission cap was no longer required and was removed due to the lowered sulfur-in-fuel limit in Part 225-1. The NO_x and CO emission capping conditions were updated to clarify that the natural gas emission factors provided by the burner manufacturer are predictive, not guaranteed, and can be used to calculate NO_x emissions when the boilers are operated with a minimum 10% FGR, rather than a 25% minimum FGR. RPCI must occasionally operate one or more of the three boilers at lower than 25% load and will maintain a minimum of 10% FGR when any boiler is operating at steady state at less than 25% of rated flow.

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

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compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: LISA M CZECHOWICZ
NYSDEC - REGION 9
700 Delaware Ave
BUFFALO, NY 14209

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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- 7 2 Relationship of this Permit to Other Department Orders and Determinations
- 7 3 Applications for permit renewals, modifications and transfers
- 8 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 8 5 Submission of application for permit modification or renewal-REGION 9 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 9 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 9 Headquarters
Division of Environmental Permits
700 Delaware Ave.,
Buffalo, NY 14209
(716) 851-7130

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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Authorized Activity By Standard Industrial Classification Code:
8069 - SPECIALTY HOSPITALS, EXCEPT PSYCHIATRIC

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- 7 *2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 11 *3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 15 4 6 NYCRR 211.2: Visible Emissions Limited
- 15 5 6 NYCRR Subpart 225-1: Compliance Demonstration
- 16 6 6 NYCRR 227-1.4 (a): Compliance Demonstration
- 18 7 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 19 8 40CFR 63, Subpart A: General Provisions
- 19 9 40CFR 63, Subpart ZZZZ: Applicability

Emission Unit Level

EU=U-00001

- 19 10 6 NYCRR 227-1.3 (c): Compliance Demonstration

EU=U-00001,Proc=005

- 20 11 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Demonstration
- 21 12 40CFR 60.45c(a), NSPS Subpart Dc: Compliance Demonstration
- 21 13 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Demonstration

EU=U-00001,EP=00001

- 22 14 40CFR 60.47c(c), NSPS Subpart Dc: Emissions monitoring
- 23 15 40CFR 60.48c(j), NSPS Subpart Dc: Reporting period

EU=U-00001,EP=00001,Proc=005

- 23 16 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 23 17 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 23 18 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 24 19 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards
- 24 20 40CFR 60.47c(f), NSPS Subpart Dc: Compliance Demonstration
- 25 21 40CFR 60.48c(b), NSPS Subpart Dc: Compliance Demonstration
- 26 22 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Demonstration
- 27 23 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 28 24 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
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- 32 26 ECL 19-0301: Contaminant List
- 33 27 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 33 28 6 NYCRR Subpart 201-5: Emission Unit Definition
- 34 29 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 34 30 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 35 31 6 NYCRR 211.1: Air pollution prohibited

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- 35 32 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
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EU=U-00001

- 38 34 6 NYCRR Subpart 201-5: General Provisions

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 2/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 07/31/2025 and 07/30/2035

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: 000630-08-0	PTE: 404,000 pounds per year
Name: CARBON MONOXIDE	

CAS No: 0NY210-00-0	PTE: 498,000 pounds per year
Name: OXIDES OF NITROGEN	

Condition 2: Capping Monitoring Condition
Effective between the dates of 07/31/2025 and 07/30/2035

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
 6 NYCRR Part 231

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.

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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, 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:

1. The Facility operates fossil-fuel boilers totaling 249 million British thermal units per hour (MMBTU/hr) heat input at the Power House and emergency generators and exempt combustion sources throughout the hospital campus with a facility wide annual potential to emit (PTE) oxides of nitrogen (NO_x) that exceeds the 100 tpy applicability threshold specified under 6NYCRR Subpart 201-6: Title V Facility Permits, 6NYCRR Subpart 227-2: Reasonably Available Control Technology (RACT) for NO_x and 6NYCRR Subpart 231: New Source Review (NSR) for New and Modified Facilities. The Facility has chosen to avoid the requirements of Title V, NO_x RACT and NSR by limiting facility-wide total emissions of NO_x to 99 tons per year.

2. The emission sources contributing to the facility NO_x emissions include three dual fueled stationary combustion installations (boilers), with 83 MMBTU/hr maximum design heat input capacity each, identified as Emission Sources

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(ES) 001-1, 001-2 and 001-3. The Facility may fuel these emission sources with natural gas (Process 001) and/or No. 2 fuel oil (Process 005) provided the facility NOx emission cap is maintained. The Facility also operates thirteen generators that are used for emergencies and participation in the New York Independent System Operator (NYISO) demand response program for a maximum of 100 hours per year. The boilers and generator are contained in Emission Unit U-00001. Exempt combustion sources throughout the campus, including but not limited to, seven small natural gas fired boilers, also contribute to facility-wide NOx emissions and must be included in the calculation of NOx emissions on a 12-month rolling total basis to determine compliance with the 99 tpy limit.

3. The Facility must prepare monthly NOx emission records. Annual totals shall be based on a 12-month rolling total of NOx as determined by summing the individual monthly emissions during any consecutive 12-month period. Monthly emissions shall be determined as follows:

$$\text{NOx (tons/mo)} = A + B + C + D + E$$

where,

A is the monthly NOx emission rate in tons based on natural gas usage for ES 001-1, ES 001-2 and ES 001-3. It can be calculated using the following equation:

$$A = (102 \text{ lbs NOx}^* / 10E+6 \text{ scf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb})$$

B is the monthly NOx emission rate in tons based on No. 2 oil usage for ES 001-1, ES 001-2 and ES 001-3. It can be calculated using the following equation:

$$B = (0.017 \text{ lbs NOx}^* / \text{gal No. 2 oil}) \times (\text{gallons No. 2 oil burned/month}) \times (\text{ton}/2000 \text{ lb}).$$

C is the monthly NOx emission rate in tons based on natural gas usage for small natural gas boilers (max heat input less than 10 MMBTU/hr). It can be calculated using the following equation:

$$C = (100 \text{ lbs NOx}^{**} / 10E+6 \text{ scf}) \times (\text{cf natural gas burned/month}) \times (\text{ton}/2000 \text{ lb}).$$

D is the monthly NOx emission rate in tons based on fuel (No. 2 oil or diesel) usage for the emergency generators rated 447 kW (600 hp) or less. It can be calculated using

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the following equation:

$$D = (4.41 \text{ lbs NO}_x^{**} / \text{MMBTU}) \times (0.14 \text{ MMBTU/gal fuel}) \times (\text{gallons fuel burned/month}) \times (\text{ton}/2000 \text{ lb}).$$

E is the monthly NO_x emission rate in tons based on fuel (No. 2 oil or diesel) usage for the emergency generators rated above 447 kW (600 hp). It can be calculated using the following equation:

$$E = (3.2 \text{ lbs NO}_x^{**} / \text{MMBTU}) \times (0.14 \text{ MMBTU/gal fuel}) \times (\text{gallons fuel burned/month}) \times (\text{ton}/2000 \text{ lb}).$$

*Emission factor is predictive emission data that is extended from 25% to 100% boiler load, provided that the system is operated at steady state conditions with a minimum 10% flue gas recirculation, or operating at steady state at less than 25% boiler load in accordance with the Burner Design Basis and Specifications for the TODD Combustion Variflame low NO_x burner, Model V5451GOXXX. The predicted emission levels for both natural gas and No. 2 fuel oil are corrected to 3% oxygen, on a dry gas basis.

A heating value of 1020 BTU/scf for natural gas and 140,000 BTU/gal for No 2 fuel oil were assumed to convert from lb/MMBTU to lb/10E+06 scf and lb/gal, respectively.

**Emission factors for NO_x: USEPA Compilation of Air Pollution Emission Factors, AP42, Volume 1, Fifth Edition. For engines subject to 40CFR60, Subpart IIII requirements, the manufacturer's engine emissions data should be used to determine monthly emissions based on the worst case scenario.

4. The Facility shall maintain records showing the quantity of fuel burned on a monthly basis and compute annual NO_x emissions using a rolling 12-month period. Records shall be based on verifiable data such as fuel metering data and fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five years.

5. The Facility shall submit to the Regional Office of the Department an annual NO_x emission report which certifies that the Facility has operated within the limits imposed by the emission cap for Title V, NO_x RACT, and NSR. This report shall include the Power House boilers, emergency generators and exempt combustion sources. Monthly NO_x emissions for the combustion sources and the 12-month rolling total for each consecutive month of the calendar year shall be listed, with a comparison to the 99

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typy limit. Fuel usage, formulas and/or calculations used to verify compliance with this limit shall be included as an attachment to the Capping Certification Report. The annual report shall be submitted on or before January 30th each year for emissions that occurred in the previous calendar year.

6. Any noncompliance with the NOx emission limit shall be reported to the Department within 30 days of occurrence. Any permit noncompliance constitutes a violation of Title V, NOx RACT and NSR and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

7. All submittals to the Department shall be certified by The Facility's responsible official as to the truth, completeness, and accuracy of all information recorded and reported.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 99 tons per year
 Monitoring Frequency: MONTHLY
 Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 3: Capping Monitoring Condition
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 3.1:

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

6 NYCRR Subpart 201-6

Item 3.2:

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

Item 3.3:

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

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Item 3.4:

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

Item 3.5:

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

Item 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 3.7:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

1. The Facility operates fossil-fuel boilers totaling 249 million British thermal units per hour (MMBTU/hr) heat input at the Power House and emergency generators and exempt combustion sources throughout the hospital campus. These combustion sources have a facility wide annual potential to emit (PTE) carbon monoxide (CO) that exceeds the major source applicability threshold of 100 tpy specified under 6NYCRR Subpart 201-6: Title V Facility Permits. The Facility has chosen to avoid the requirements of Title V by limiting facility-wide total emissions of CO to 99 tons per year.
2. The emission sources contributing to the facility CO emissions include three dual fueled stationary combustion installations (boilers), with 83 MMBTU/hr maximum design heat input capacity each, identified as Emission Sources (ES) 001-1, 001-2 and 001-3. The Facility may fuel these emission sources with natural gas (Process 001) and/or No. 2 fuel oil (Process 005) provided the facility CO emission cap is maintained. The Facility also operates thirteen generators that are used for emergencies and participation in the New York Independent System Operator (NYISO) demand response program for a maximum of 100 hours per year. The boilers and generators are contained in Emission Unit U-00001. Exempt combustion sources throughout the campus,

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including but not limited to, seven small natural gas fired boilers, also contribute to facility-wide CO emissions and must be included in the calculation of CO emissions on a 12-month rolling total basis to determine compliance with the 99 tpy limit.

3. The Facility must prepare monthly CO emission records. Monthly fuel usage quantities shall be used to calculate the monthly CO emissions. Annual totals shall be based on a 12-month rolling total basis as determined by summing the individual monthly emissions of CO during any consecutive 12-month period. Monthly emissions shall be determined as follows:

$$\text{CO (tons/mo)} = A + B + C + D + E$$

where,

A is the CO emission rate in tons per month based on natural gas usage for ES 001-1, ES 001-2 and ES 001-3. It can be calculated using the following equation:

$$A = (151 \text{ lbs CO}^*/10 \text{ E}+06 \text{ cf nat gas}) \times (\text{cf nat. gas burned/mo}) \times (\text{ton}/2000\text{lb})$$

B is the CO emission rate in tons for a specified time period based on No. 2 oil usage for ES 001-1, ES 001-2 and ES 001-3. It can be calculated using the following equation:

$$B = (0.022 \text{ lb CO}^*/\text{gal No. 2 oil}) \times (\text{gal No. 2 oil burned/mo}) \times (\text{ton}/2000\text{lb})$$

C is the monthly CO emission rate in tons based on natural gas usage in small natural gas boilers (max heat input less than 10 MMBTU/hr). It can be calculated using the following equation:

$$C = (84 \text{ lbs CO}^{**}/10 \text{ E}+06 \text{ cf nat gas}) \times (\text{cf nat gas burned/mo}) \times (\text{ton}/2000 \text{ lb})$$

D is the monthly CO emission rate in tons based on fuel (No. 2 oil/diesel) usage for the emergency generators rated at 447 kW (600 hp) or less. It can be calculated using the following equation:

$$D = (0.133 \text{ lbs CO}^{**}/ \text{gal fuel}) \times (\text{gal fuel burned/mo}) \times (\text{ton}/2000 \text{ lb}).$$

E is the monthly CO emission rate in tons based on fuel (No. 2 oil/diesel) usage for the emergency generators rated above 447 kW (600 hp). It can be calculated using

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the following equation:

$$E = (0.119 \text{ lbs CO}^{**}/ \text{ gal fuel}) \times (\text{gal fuel burned/mo}) \times (\text{ton}/2000 \text{ lb}).$$

*Emission factor is predictive emission data that is extended from 25% to 100% boiler load for the TODD Combustion Variflame burner, Model V5451GOXXX (Boilers ES 001-1, ES 001-2, and ES 001-3) provided that the system is operated at steady state conditions and in accordance with the Burner Design Basis and Specifications. These predicted emission levels are corrected to 3% oxygen, on a dry gas basis for both natural gas and No. 2 fuel oil. A heating value of 1020 BTU/scf for natural gas and 140,000 BTU/gal for No 2 fuel oil were assumed to convert from lb/MMBTU to lb/10E+06 scf and lb/gal, respectively.

**Emission factors for CO: USEPA Compilation of Air Pollution Emission Factors, AP42, Volume 1, Fifth Edition. Heating values of 1020 BTU/scf for natural gas and 140,000 BTU/gal for No 2 fuel oil were assumed. For engines subject to 40CFR60, Subpart III requirements, the manufacturer's engine emissions data should be used to determine monthly emissions based on the worst case scenario.

4. The Facility shall maintain records showing the quantity of fuel burned on a monthly basis and compute annual CO emissions using a rolling 12-month period. Records shall be based on verifiable data such as fuel metering data and fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five years.

5. The Facility shall submit to the Regional Office of the Department an annual CO emission report which certifies that the Facility has operated within the limits imposed by the emission cap for Title V. This report shall include the Power House boilers and exempt combustion sources. Monthly CO emissions for the facility and the 12-month rolling total for each consecutive month of the calendar year shall be listed, with a comparison to the 99 tpy limit. Fuel usage, formulas and/or calculations used to verify compliance with this limit shall be included as an attachment to the Capping Certification Report. The annual report shall be submitted on or before January 30th each year for emissions that occurred in the previous calendar year.

6. Any noncompliance with the CO emission limit shall be

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oil with 0.0015 percent sulfur by weight or less.

Compliance with this limit may be based on vendor certifications prepared in accordance with 6NYCRR225-1.6(b) as follows:

- (i) fuel analyses and data on the quantities of all oil received; and
- (ii) the names of all purchasers, fuel analyses, and data on the quantities of all oil sold.

Such fuel analyses of distillate oil must contain, at a minimum, data on the sulfur content, specific gravity, and heating value of distillate oil. Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department. Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
 Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: .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 6: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 6.1:
 The Compliance Demonstration activity will be performed for the Facility.

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

Item 6.2:
 Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility's boilers and generators are considered stationary combustion installations and are subject to the following requirements.

No owner or operator of a stationary combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Operators of oil-fired stationary combustion installations, that are not exempt from permitting requirements and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following daily and natural gas-fired stationary combustion installations are required to perform the following monthly:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions, when firing oil. 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: the date, time of day, weather conditions, observer's name, and whether a plume was 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 and shall be available for inspection by USEPA and/or Department representatives upon request.
- 3) If the operator observes any visible emissions (other than steam see below) during 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. EPA Visible Emission Observation Form 1 must be completed in accordance with USEPA Method 9 and the results of the Method 9 analysis recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9

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

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

Compliance with this requirement during the operation of the boilers on No 2 fuel oil will also verify compliance with 40CFR60.43c(c), which specifies an equivalent opacity limit.

At all times stationary combustion installations shall be operated and maintained according to manufacturer's specifications to ensure proper performance and compliance with the regulatory limit for opacity. Facility records, including those demonstrating hours of operation, fuel usage, monitoring/observations, stack testing, corrective actions taken, manufacturer's maintenance requirements and procedures and maintenance performed for these sources, shall be maintained on-site for five years and be readily available to NYSDEC representatives upon request.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 7: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 7.1:

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

Emission Unit: U-00001
 Process: 005

Emission Point: 00001

Permit ID: 9-1402-00406/00007

Facility DEC ID: 9140200406

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2026.

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

Condition 8: General Provisions

Effective between the dates of 07/31/2025 and 07/30/2035

Applicable Federal Requirement:40CFR 63, Subpart A

Item 8.1:

This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 9: Applicability

Effective between the dates of 07/31/2025 and 07/30/2035

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 9.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 Subpart ZZZZ.

**** Emission Unit Level ****

Condition 10: Compliance Demonstration

Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 10.1:

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The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration

Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: 005

Item 11.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h)(1), (2), or (3). Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60.48c(f), as applicable

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

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Facility DEC ID: 9140200406

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 12: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable Federal Requirement:40CFR 60.45c(a), NSPS Subpart Dc

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 005

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

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an affected facility subject to the opacity standard under §60.43c shall conduct an initial performance test as required under §60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standard. Reference Method 9 (6-minute average of 24 observations) of Appendix A-4 of this part shall be used for determining the opacity of stack emissions.

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 13: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 005

Permit ID: 9-1402-00406/00007

Facility DEC ID: 9140200406

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(1) Calendar dates covered in the reporting period.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2026.

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

Condition 14: Emissions monitoring

Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 14.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Item 14.2: Affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 26 ng/J (0.06 lb/MMBtu) heat input or less and that do not use a post-combustion technology to reduce SO₂ or PM emissions are not required to operate a CEMS for measuring opacity if they follow the applicable procedures under 40 CFR 60.48c(f).

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Condition 15: Reporting period
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 15.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Item 15.2: The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period

Condition 16: Exemption from the averaging period.
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 16.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 005

Item 16.2:

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

Condition 17: Enforceability
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 17.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 005

Item 17.2:

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

Condition 18: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 18.1:

The Compliance Demonstration activity will be performed for:

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Facility DEC ID: 9140200406

Emission Unit: U-00001
Process: 005

Emission Point: 00001

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:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 19: Enforceability of particulate matter and opacity standards
Effective between the dates of 07/31/2025 and 07/30/2035**

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

Item 19.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 005

Item 19.2:

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 20: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035**

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

Item 20.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: U-00001
Process: 005

Emission Point: 00001

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of an affected facility that is subject to an opacity standard in §60.43c(c) is not required to operate a COMS provided that the affected facility meets the conditions in either paragraphs (f)(1), (2), or (3) of this section.

An affected facility that burns only gaseous fuels or fuel oils that contain less than or equal to 0.5 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the appropriate delegated permitting authority is not required to operate a COMS for measuring opacity. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.

For testing performed as part of this site-specific monitoring plan, the permitting authority may require as an alternative to the notification and reporting requirements specified in §§60.8 and 60.11 that the owner or operator submit any deviations with the excess emissions report required under §60.48c(c).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Compliance Demonstration

Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 005

Emission Point: 00001

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The owner or operator of each affected facility subject to the SO₂ emission limits of §60.42c, or the PM or opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B of this part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
 Process: 005

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

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In addition to the applicable requirements in §60.7, the owner or operator of an affected facility subject to the opacity limits in §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period and maintain records according to the requirements specified in paragraphs (c)(1) through (3) of this section, as applicable to the visible emissions monitoring method used.

(1) For each performance test conducted using Method 9 of appendix A-4 of this part, the owner or operator shall keep the records including the information specified in paragraphs (c)(1)(i) through (iii) of this section.

(i) Dates and time intervals of all opacity observation periods;

(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission

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observer participating in the performance test;
and

(iii) Copies of all visible emission observer opacity
field data sheets;

(2) For each performance test conducted using Method 22 of
appendix A-4 of this part, the owner or operator shall
keep the records including the information specified in
paragraphs (c)(2)(i) through (iv) of this section.

(i) Dates and time intervals of all visible emissions
observation periods;

(ii) Name and affiliation for each visible emission
observer participating in the performance test;

(iii) Copies of all visible emission observer opacity
field data sheets; and

(iv) Documentation of any adjustments made and the time
the adjustments were completed to the affected facility
operation by the owner or operator to demonstrate
compliance with the applicable monitoring
requirements.

(3) For each digital opacity compliance system, the owner
or operator shall maintain records and submit reports
according to the requirements specified in the
site-specific monitoring plan approved by the
Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 005

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

Item 23.2:

Compliance Demonstration shall include the following monitoring:

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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 submit semi-annual reports to the Administrator.

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 1/30/2026.

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

Condition 24: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 005

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(i) The name of the oil supplier;

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and

(iii) The sulfur content or maximum sulfur content of the oil.

Note: 40 CFR 60.41c defines distillate oil as fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials (ASTM) D975, kerosine, as defined in ASTM D3699, biodiesel as defined in ASTM D6751, or biodiesel blends as defined in ASTM D7467. These test methods are incorporated by reference at 40 CFR 60.17.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2026.

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

Condition 25: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 25.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: 005

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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Facility DEC ID: 9140200406

The initial report is due 1/30/2026.
Subsequent reports are due every 6 calendar month(s).

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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 26: Contaminant List

Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement: ECL 19-0301

Item 26.1:

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

CAS No: 000630-08-0
 Name: CARBON MONOXIDE

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

CAS No: 0NY075-00-0
 Name: PARTICULATES

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CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 27: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement: 6 NYCRR 201-1.4

Item 27.1:

(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 28: Emission Unit Definition
Effective between the dates of 07/31/2025 and 07/30/2035

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Applicable State Requirement:6 NYCRR Subpart 201-5

Item 28.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit contains the nonexempt combustion sources and processes operated throughout the Roswell Park Cancer Institute (RPCI) complex. The combustion sources include three (3) Volcano Model D3-70L boilers in the Power House and thirteen (13) stationary diesel fired compression ignition (CI) reciprocating internal combustion engine (RICE) generators. The Volcano boilers have a maximum design heat input rating of 83 million BTU/hr, each. All of the boilers are dual-fueled, burning natural gas or No. 2 fuel oil and supply heat and operating steam throughout the hospital/research complex. The boilers are equipped with low NOx burners and utilize flue gas recirculation to control NOx emissions that exhaust to a common stack. The CI RICE generators, located throughout RPCI, are used for emergencies and participation in the New York Independent System Operator (NYISO) demand response program.

Building(s): 11

Condition 29: Renewal deadlines for state facility permits
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 29.1:

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 30: Compliance Demonstration
Effective between the dates of 07/31/2025 and 07/30/2035

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

Item 30.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 30.2:

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

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Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 9
700 Delaware Ave.,
Buffalo, N.Y. 14209

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Air pollution prohibited
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement:6 NYCRR 211.1

Item 31.1:

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 32: Emission Point Definition By Emission Unit
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 32.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 125 Diameter (in.): 96
NYTMN (km.): 4756.7 NYTME (km.): 184.4 Building: 11

Condition 33: Process Definition By Emission Unit
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 33.1:

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

Permit ID: 9-1402-00406/00007

Facility DEC ID: 9140200406

Emission Unit: U-00001

Process: 001

Source Classification Code: 1-02-006-02

Emission Source/Control: 001-1 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 001-2 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 001-3 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 0C1-1 - Control

Control Type: LOW NOx BURNER

Emission Source/Control: 0C1-2 - Control

Control Type: LOW NOx BURNER

Emission Source/Control: 0C1-3 - Control

Control Type: LOW NOx BURNER

Emission Source/Control: FGR-1 - Control

Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: FGR-2 - Control

Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: FGR-3 - Control

Control Type: FLUE GAS RECIRCULATION

Item 33.2:

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

Emission Unit: U-00001

Process: 005

Source Classification Code: 1-02-005-02

Emission Source/Control: 001-1 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 001-2 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 001-3 - Combustion

Design Capacity: 83 million Btu per hour

Emission Source/Control: 0C1-1 - Control

Control Type: LOW NOx BURNER

Emission Source/Control: 0C1-2 - Control

Control Type: LOW NOx BURNER

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Emission Source/Control: 0C1-3 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: FGR-1 - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: FGR-2 - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: FGR-3 - Control
Control Type: FLUE GAS RECIRCULATION

Item 33.3:

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

Emission Unit: U-00001

Process: CIE

Source Classification Code: 2-01-001-02

Process Description:

This process is the operation of the existing compression ignition (CI) reciprocating internal combustion engines (RICE) with diesel oil for emergency demand response.

Emission Source/Control: CIEL1 - Combustion
Design Capacity: 2,220 horsepower (mechanical)

Emission Source/Control: CIEL2 - Combustion
Design Capacity: 896 horsepower (mechanical)

Emission Source/Control: CIEL3 - Combustion
Design Capacity: 2,220 horsepower (mechanical)

Emission Source/Control: CIEL4 - Combustion
Design Capacity: 518 horsepower (mechanical)

Emission Source/Control: CIEL5 - Combustion
Design Capacity: 1,635 horsepower (mechanical)

Emission Source/Control: CIEL6 - Combustion
Design Capacity: 1,490 horsepower (mechanical)

Emission Source/Control: CIEL7 - Combustion
Design Capacity: 1,850 horsepower (mechanical)

Emission Source/Control: CIEL8 - Combustion
Design Capacity: 1,620 horsepower (mechanical)

Emission Source/Control: CIEL9 - Combustion
Design Capacity: 1,850 horsepower (mechanical)

Emission Source/Control: CIELA - Combustion
Design Capacity: 1,850 horsepower (mechanical)

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Emission Source/Control: CIES1 - Combustion
 Design Capacity: 277 horsepower (mechanical)

Item 33.4:

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

Emission Unit: U-00001
 Process: CIN Source Classification Code: 2-01-001-02
 Process Description:

This process is the operation of new (installed during or after 2006) compression ignition (CI) reciprocating internal combustion engines (RICE) with diesel oil for emergency demand response.

Emission Source/Control: CINL1 - Combustion
 Design Capacity: 1,141 horsepower (mechanical)

Emission Source/Control: CINL2 - Combustion
 Design Capacity: 2,937 horsepower (mechanical)

Condition 34: General Provisions
Effective between the dates of 07/31/2025 and 07/30/2035

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 34.1:

This Condition applies to Emission Unit: U-00001

Item 34.2:

This section of the permit contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 34.3:

Any person who owns and/or operates emission sources subject to this permit shall operate and maintain all emission sources and required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate 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 control devices may be sufficient reason for the Department to revoke or deny a permit.

Item 34.4:

The owner or operator of the emission sources subject to this permit 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 during normal operating hours, for the purpose of determining compliance with this and any other state or federal air pollution control requirements, regulations or law.

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Facility DEC ID: 9140200406