

Facility DEC ID: 4421500054

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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 4-4215-00054/00196  
Effective Date:

Expiration Date:

Permit Issued To: GE VERNOVA OPERATIONS LLC  
1 RESEARCH CIRCLE  
NISKAYUNA, NY 12309

Facility: GE Vernova Operations LLC  
1 RIVER RD  
Schenectady, NY 12345

Contact: Sarah Michaels  
GE Steam Turbine Generator Global  
1 River Rd  
Schenectady, NY 12345

**Description:**

The facility is proposing to replace Boiler #7 with the installation of two new 60MMBtu/hr boilers (Boiler #8 and Boiler #9) located in the powerhouse at the facility. The facility plans to decommission and remove the existing Boiler #7.

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: KATE MALCOLM  
NYSDEC - REGION 4  
1130 N WESTCOTT RD  
SCHENECTADY, NY 12306-2014

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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**PAGE LOCATION OF CONDITIONS**

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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 4 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 4 Headquarters  
 Division of Environmental Permits  
 1130 North Westcott Rd.  
 Schenectady, NY 12306-2014  
 (518) 357-2069

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: GE VERNOVA OPERATIONS LLC  
1 RESEARCH CIRCLE  
NISKAYUNA, NY 12309

Facility: GE Vernova Operations LLC  
1 RIVER RD  
Schenectady, NY 12345

Authorized Activity By Standard Industrial Classification Code:  
3511 - TURBINES AND TURBINE GENERATOR

Permit Effective Date:

Permit Expiration Date:

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- 6 2 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- 6 \*3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 9 4 6 NYCRR 202-1.2: Notification
- 9 5 6 NYCRR 211.2: Visible Emissions Limited
- 9 6 6 NYCRR 212-3.1 (e): "Once in always in" provision
- 10 7 6 NYCRR 227-1.3 (c): Compliance Demonstration
- 10 8 6 NYCRR 227-2.4 (c): Compliance Demonstration
- 11 9 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 11 10 40CFR 60.7(a)(1), NSPS Subpart A: Compliance Demonstration
- 12 11 40CFR 60.7(a)(4), NSPS Subpart A: Compliance Demonstration
- 13 12 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 13 13 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 13 14 40CFR 60.7(g), NSPS Subpart A: Notification Similar
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- 13 15 40CFR 60.9, NSPS Subpart A: Availability of information.
- 14 16 40CFR 60.48c(g)(2), NSPS Subpart Dc: Alternative recordkeeping
- 14 17 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration
- 14 18 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 14 19 40 CFR Part 98: Mandatory greenhouse gas reporting

**Emission Unit Level****EU=B-OILRS**

- 15 20 40CFR 60.7(a)(3), NSPS Subpart A: Compliance Demonstration

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

- 17 21 ECL 19-0301: Contaminant List
- 17 22 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 18 23 6 NYCRR Subpart 201-5: Emission Unit Definition
- 19 24 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 19 25 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 20 26 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 21 27 6 NYCRR 211.1: Air pollution prohibited

**Emission Unit Level**

- 21 28 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 21 29 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.

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**FEDERALLY ENFORCEABLE CONDITIONS**

DRAFT

\*\*\*\* 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: Recycling and Emissions Reduction  
Effective for entire length of Permit****Applicable Federal Requirement: 40 CFR 82, Subpart F****Item 1.1:**

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

**Condition 2: Facility Permissible Emissions  
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR Subpart 201-7****Item 2.1:**

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: 0NY100-00-0

PTE: 48,000 pounds per year

Name: TOTAL HAP

**Condition 3: Capping Monitoring Condition  
Effective for entire length of Permit****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:**

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

**Item 3.3:**

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

**Item 3.4:**

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

**Item 3.5:**

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

**Item 3.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0      TOTAL HAP

**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:

Records shall be maintained that indicate facility emissions from point and fugitive sources of hazardous air pollutants (HAPs). Individual HAP emissions from sources at the facility shall not exceed 18,000 pounds during any 12 consecutive months. Total HAP emissions from sources at the facility shall not exceed 48,000 pounds during any 12 consecutive months. All required records shall be maintained on-site at the facility in a manual log format or data acquisition/calculation system for at least five years and shall remain available for inspection by the Department, upon request.

All HAP on site shall be included in the facility's HAP emission records. Furthermore, these HAPs shall be subject to the individual HAP limit (18,000 pounds/consecutive 12 month period) and shall be included in the total HAP limit

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(48,000 pounds/consecutive 12 month period). The facility shall calculate HAP emissions using purchase, usage, and/or production records. Where purchase records are used, it shall be assumed that what is purchased for a period is emitted during that period. Process knowledge and control device efficiencies shall also be used to determine emissions.

When using 'purchase records', the total pounds of a chemical product that is purchased (calculated using the volume of material purchased and the density of the product or other weight/volume measurement as determined by the chemical product manufacturer) shall be multiplied by the weight percentage of individual HAP contained in the chemical product to determine emitted HAP for the purchase period.

When using 'usage records', the actual use of a chemical product in a volume measurement or other use quantity (for example: rolls of tape), as indicated on usage log sheets, shall be multiplied by an emission factor for individual HAP contained in the chemical product to determine emitted HAP for the use period. The emission factor shall be determined by multiplying the density of the material or other weight/unit measurement (for example: lb/roll of tape) and the weight percentage of individual HAP contained in the chemical product.

When using 'production records', a production measurement (for example: inches of punchings) shall be multiplied by a usage factor (for example: gallons coating/inch of punchings). The volume of usage shall be multiplied by an emission factor or individual HAP contained in the chemical product to determine emitted HAP for the use period. The emission factor shall be determined by multiplying the density of the material or other weight/unit measurement and the weight percentage of individual HAP contained in the chemical product.

Weight percentage and product density or weight/unit measurement shall be obtained from the Material Safety Data Sheets (MSDS) or other data source provided by the chemical product manufacturer. Within 30 days of the close of each month, the facility shall calculate rolling 12-month HAP emissions for the period ending in the previous month. For each month that the rolling 12-month HAP emissions are 80% or more of the individual or total HAP limit, written notification shall be provided to the RAPCE at the Region 4 RAPCE address specified elsewhere in this permit. The notification shall identify the rolling 12-month HAP emissions and the percentage of the HAP limit

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which the emissions represent.

Compliance with this condition shall indicate the facility is not a major source of HAPs, per the definition of "major stationary source or major source" contained in 6 NYCRR 201-2.1(b), both for individual HAPs and total HAPs.

This condition is also in the Air Title V permit, this capping condition is included in the Air State facility to construct to ensure that the facility is adding in this project into overall facility totals for both individual hazardous air pollutants and total hazardous air pollutants.

Parameter Monitored: TOTAL HAP

Upper Permit Limit: 48,000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 4: Notification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 202-1.2**

**Item 4.1:**

A person who is required by the Department to submit a stack test report shall notify the Department, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow a representative of the Department free access to observe stack testing being conducted by such person.

**Condition 5: Visible Emissions Limited**  
**Effective for entire length of Permit**

**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: "Once in always in" provision**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (e)**

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**Item 6.1:**

Any facility that is subject to 6 NYCRR 212-3.1 requirements after May 31, 1995 will remain subject to these provisions even if the annual potential to emit NO<sub>x</sub> or VOCs later fall below the applicability threshold.

**Condition 7: Compliance Demonstration**  
**Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 227-1.3 (c)****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:

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 8: Compliance Demonstration**  
**Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 227-2.4 (c)****Item 8.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: B-OILRS

Process: B8G

Emission Source: 002B8

Emission Unit: B-OILRS

Process: B9G

Emission Source: 002B9

Regulated Contaminant(s):

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

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a mid-sized boiler must comply with the presumptive Reasonable Available Control Technology (RACT) emission limit.

Within 180 days after commencing start-up one of the boilers shall be tested to ensure compliance with oxides of nitrogen limit. The testing protocols and stack test results will be reported within the timelines of 6 NYCRR 202-1.

Manufacturer Name/Model Number: Superior Boiler / Model #: 40-DS-500

Upper Permit Limit: 0.05 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 9: EPA Region 2 address.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 9.1:**

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

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

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

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

**Condition 10: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.7(a)(1), NSPS Subpart A**



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**Item 10.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of the date construction (or reconstruction as defined under 40 CFR Part 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 11: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.7(a)(4), NSPS Subpart A**

**Item 11.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of 40 CFR 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information

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describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 12: Recordkeeping requirements.**  
**Effective for entire length of Permit**

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

**Item 12.1:**

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

**Condition 13: Facility files for subject sources.**  
**Effective for entire length of Permit**

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

**Item 13.1:**

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 14: Notification Similar to State or Local Agency**  
**Effective for entire length of Permit**

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

**Item 14.1:**

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

**Condition 15: Availability of information.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A**

**Item 15.1:**

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The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 16: Alternative recordkeeping**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40 CFR 60.48c(g)(2), NSPS Subpart Dc**

**Item 16.1:**

As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> 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.

**Condition 17: Compliance Demonstration**  
**Effective for entire length of Permit**

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

**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:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 18: National Emission Standard for Asbestos**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40 CFR 61, NESHAP Subpart M**

**Item 18.1:**

The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

**Condition 19: Mandatory greenhouse gas reporting**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40 CFR Part 98**

**Item 19.1:**

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40 CFR Part 98 establishes mandatory greenhouse gas (GHG) reporting requirements for owners and operators of certain facilities that directly emit GHG as well as for certain fossil fuel suppliers and industrial GHG suppliers. For suppliers, the GHGs reported are the quantity that would be emitted from combustion or use of the products supplied.

Owners and operators of facilities and suppliers that are subject to 40 CFR Part 98 must follow the requirements of subpart A and all applicable subparts of 40 CFR Part 98. If a conflict exists between a provision in subpart A and any other applicable subpart, the requirements of the applicable subpart shall take precedence.

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

**Condition 20: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.7(a)(3), NSPS Subpart A**

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILRS

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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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 21: Contaminant List**  
**Effective for entire length of Permit**

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

**Item 21.1:**

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

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 22: Malfunctions and Start-up/Shutdown Activities**  
**Effective for entire length of Permit**

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**Applicable State Requirement:6 NYCRR 201-1.4****Item 22.1:**

(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 23:      Emission Unit Definition**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR Subpart 201-5****Item 23.1:**

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

Emission Unit: B-OILRS

Emission Unit Description:

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Three boilers equipped with low NO<sub>x</sub> burners, each capable of burning natural gas or residual #6 fuel oil. Each boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil. Two of the three boilers are subject to NSPS standards pursuant to 40CFR 60, subpart Dc. During permitting before installation, emissions of NO<sub>x</sub> from boilers #6 and #7 were capped to avoid PSD requirements. To accomplish this, the usage of #6 fuel oil was limited so that no more than 49% of the BTU input to each boiler is contributed by oil on a 365-day rolling basis. Subsequently, firing of No. 6 fuel oil has been limited to times of natural gas curtailment, natural gas supply emergencies, and periodic testing not to exceed 48 hours per year. Source 0002A is boiler 7 and has its own separate stack - 00002. Sources 0004A and 0004B are boilers 5 and 6 respectively and are tied to one stack - 00004. The condensing heat exchanger (CHX) recovers heat from the boilers and has its own emission point 00014.

Boiler #7 is being removed and replaced with two natural-gas fired boilers (Boilers 8 and 9) equipped with low NO<sub>x</sub> burners. Each boiler has a maximum heat input rating equal to 60.0 million Btu/hour. Both of these boilers are subject to 40 CFR 60, Subpart Dc.

Building(s): 265

**Condition 24:      Renewal deadlines for state facility permits**  
**Effective for entire length of Permit**

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

**Item 24.1:**

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 25:      Compliance Demonstration**  
**Effective for entire length of Permit**

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

**Item 25.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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Boiler 7 (Source 0002A) will be completely removed from service prior to the installation of Boilers 8 and 9 (Source 002B8 and 002B9, respectively). The facility will provide written notice to the Department within one week after Boiler 7 is removed from service.

The primary purpose of Boilers 8 (Source 002B8) and 9 (Source 002B9) is to meet the facility's steam demand during times when the facility's larger boilers are not needed to provide heat in addition to steam during cold months. As such, GE will operate only Boilers 8 (Source 002B8) and 9 (Source 002B9) during the months of May through September; Boilers 5 (Source 0004A) and 6 (Source 0004B) will not be operated during the months of May through September. Should unexpected or emergency conditions arise whereby an alternative operating scenario is required, i.e., Boiler 5 and/or 6 is needed to provide steam during warm months (May through September), the facility shall notify the Department at least 24 hours prior to implementing an alternative operating scenario.

A maximum of two Power House boilers will operate at any one time throughout the year and records will be maintained to document this. Boiler operations will be recorded on a daily basis to document which boilers are in operation.

Boilers not located in the Power House are not included in this operating limit and may continue to operate as needed during May through September.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 26: Compliance Demonstration**  
**Effective for entire length of Permit**

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

**Item 26.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 26.2:**

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:

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Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 4  
1130 N. Westcott Rd.  
Schenectady, NY 12306

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 27: Air pollution prohibited**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 27.1:**

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 28: Emission Point Definition By Emission Unit**  
**Effective for entire length of Permit**

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

**Item 28.1:**

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

Emission Unit: B-OILRS

Emission Point: 00002

Height (ft.): 190

Diameter (in.): 114

NYTMN (km.): 4740.04

NYTME (km.): 584.715

Building: 265

**Condition 29: Process Definition By Emission Unit**  
**Effective for entire length of Permit**

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

**Item 29.1:**

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

Emission Unit: B-OILRS

Process: B8G

Source Classification Code: 1-02-006-02

Process Description: The firing of natural gas in Boiler #8.

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Emission Source/Control: 002B8 - Combustion  
Design Capacity: 60 million Btu per hour

**Item 29.2:**

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

Emission Unit: B-OILRS  
Process: B9G Source Classification Code: 1-02-006-02  
Process Description: The firing of natural gas in Boiler #9.

Emission Source/Control: 002B9 - Combustion  
Design Capacity: 60 million Btu per hour

**Permit ID: 4-4215-00054/00196**

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