

Facility DEC ID: 4421500054

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-4215-00054/00190
Effective Date: 03/05/2020 Expiration Date: 03/04/2025

Permit Issued To: GENERAL ELECTRIC COMPANY
33-41 Farnsworth St
Boston, MA 02210

Contact: Stan Genega
GE Steam Turbine Generator Global
1 River Rd
Schenectady, NY 12345
(518) 385-6991

Facility: GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL
1 RIVER RD
SCHENECTADY, NY 12345

Contact: Maggie Campbell
GE Steam Turbine Generator Global
1 River Rd
Schenectady, NY 12345
(518) 419-4570

Description:
The purpose of this application is to obtain a State Facility Permit for a motor coil process that will begin as a research and development (R&D) activity exempt from permitting in accordance with 6 NYCRR 201-3.2(c)(44), but may subsequently transition to manufacturing.

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: NANCY M BAKER
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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- 5 5 Submission of application for permit modification or renewal-REGION 4 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.

Condition 4: Permit modifications, suspensions or revocations by the Department

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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: GENERAL ELECTRIC COMPANY
33-41 Farnsworth St
Boston, MA 02210

Facility: GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL
1 RIVER RD
SCHENECTADY, NY 12345

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

Permit Effective Date: 03/05/2020

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- 9 5 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos

Emission Unit Level

EU=D-IPLNE,EP=03200,Proc=DIP

- 9 6 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Demonstration

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NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

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, required to operate such device effectively.

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

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item H: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit

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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)

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

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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 03/05/2020 and 03/04/2025

Applicable Federal Requirement:6 NYCRR 201-7.1

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: 0NY100-00-0
Name: TOTAL HAP

PTE: 48,000 pounds per year

Condition 2: Capping Monitoring Condition
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable Federal Requirement:6 NYCRR 201-7.1

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:

40 CFR Part 63, Subpart DDDDD
40 CFR Part 63, Subpart MMMM

Item 2.2:

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

Item 2.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, 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:

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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: 0NY100-00-0 TOTAL HAP

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:

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 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 (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

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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 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 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 Safety Data Sheets (SDSs) 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 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 6NYCRR 201-2.1(b), both for individual HAPs and total HAPs.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 48000 pounds per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2020.
Subsequent reports are due every 6 calendar month(s).

Condition 3: Visible Emissions Limited
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable Federal Requirement: 6 NYCRR 211.2

Item 3.1:

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

Condition 4: Compliance Demonstration
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (1)

Item 4.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Prior to transitioning from R&D to manufacturing operations, emission estimates for non-exempt emission sources will be developed based on material balance evaluations, and/or other engineering calculations. The facility will evaluate emissions to demonstrate compliance with subpart 212-3 VOC RACT requirements. VOC emission create potentials will be shown to be less than 3.0 pounds per hour, and actual VOC emissions will be shown to be less than 15 pounds per day. Alternatively, the facility may submit a RACT compliance plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5: National Emission Standard for Asbestos
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 5.1:

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

**** Emission Unit Level ****

Condition 6: Compliance Demonstration
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable Federal Requirement:6 NYCRR 228-1.4 (b) (4) (ii)

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Item 6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: D-IPLNE Emission Point: 03200
Process: DIP

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A facility conducting miscellaneous metal parts coating may not use coatings with VOC contents, as applied, that exceed the limits specified. The facility must specify the use of baked or air dried for the purpose of compliance and recordkeeping. The coating used falls under the "Extreme Performance" category and is applied using air drying as the curing method. As such, the VOC content limit for this coating operation is 3.5 pounds per gallon.

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2020.

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

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

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

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;

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

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

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

Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records

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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 7: Contaminant List
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:ECL 19-0301

Item 7.1:

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: 0NY998-00-0
Name: VOC

Condition 8: Malfunctions and start-up/shutdown activities
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:6 NYCRR 201-1.4

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Item 8.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 9: Emission Unit Definition**Effective between the dates of 03/05/2020 and 03/04/2025****Applicable State Requirement:6 NYCRR Subpart 201-5****Item 9.1:**

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

Emission Unit: 1-00VPI

Emission Unit Description:

Resin transfer between VPI storage tank (emission source F310A) and VPI vessel (emission source F310B), resulting in fugitive emissions (F3100), application of resin in VPI vessel (emission source F310B) resulting in fugitive emissions (F3101), and curing in an electric oven (emission source 3100C) resulting in stack emissions (03102).

Permit ID: 4-4215-00054/00190

Facility DEC ID: 4421500054

Building(s): 273

Item 9.2:

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

Emission Unit: D-IPLNE

Emission Unit Description:

The emission unit involves a dip coating line where inside space blocks (ISSB) are coated in a dip tank and cured in an electrically heated oven.

Building(s): 273

**Condition 10: Renewal deadlines for state facility permits
Effective between the dates of 03/05/2020 and 03/04/2025**

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

Item 10.1:

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 11: Compliance Demonstration
Effective between the dates of 03/05/2020 and 03/04/2025**

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

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 reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

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

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

Condition 12: Air pollution prohibited

Permit ID: 4-4215-00054/00190

Facility DEC ID: 4421500054

Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:6 NYCRR 211.1

Item 12.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 13: Compliance Demonstration

Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:6 NYCRR 212-2.1

Item 13.1:

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

Emission Unit: 1-00VPI

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Prior to transitioning from R&D to manufacturing operations, emissions estimates for non-exempt emission sources will be developed based on material balance evaluations, and/or other engineering calculations. The facility will evaluate emissions to demonstrate compliance with part 212 air toxics requirements. If it is shown that an emission rate potential for a contaminant(s) will result in emission impacts that will exceed its annual guideline concentration (AGC), the facility may choose to limit operations to avoid the AGC exceedance without re-opening the permit. Records to demonstrate the operating limitations are met will be maintained, and the operating limitation will be incorporated into the permit upon the next modification or renewal.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

Permit ID: 4-4215-00054/00190

Facility DEC ID: 4421500054

Condition 14: Emission Point Definition By Emission Unit
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 14.1:

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

Emission Unit: 1-00VPI

Emission Point: 03102

Height (ft.): 53 Diameter (in.): 18
 NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Item 14.2:

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

Emission Unit: D-IPLNE

Emission Point: 03200

Height (ft.): 43 Diameter (in.): 12
 NYTMN (km.): 4740. NYTME (km.): 584. Building: 273

Condition 15: Process Definition By Emission Unit
Effective between the dates of 03/05/2020 and 03/04/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 15.1:

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

Emission Unit: 1-00VPI

Process: CUR Source Classification Code: 4-02-008-01

Process Description:

Resin impregnated motor coils are cured in an electric oven (emission source 3100C) that is vented to stack 03102.

Emission Source/Control: 3100C - Process

Item 15.2:

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

Emission Unit: 1-00VPI

Process: IMP Source Classification Code: 4-02-005-01

Process Description:

Motor coils are assembled using various insulating tapes and heated and pressurized to impregnate coils with resin in a VPI vessel (emission source F310B), resulting in fugitive emissions (F3101).

Emission Source/Control: F310B - Process

Permit ID: 4-4215-00054/00190

Facility DEC ID: 4421500054

Item 15.3:

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

Emission Unit: 1-00VPI

Process: TNK

Source Classification Code: 4-07-999-99

Process Description:

Resin transfer between VPI storage tank (emission source F310A) and VPI vessel (emission source F310B), resulting in fugitive emissions (F3100).

Emission Source/Control: F310A - Process

Emission Source/Control: F310B - Process

Item 15.4:

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

Emission Unit: D-IPLNE

Process: DIP

Source Classification Code: 4-02-008-01

Process Description:

Inside space blocks (ISSB) are attached to a conveyor, which then dips the punchings into a tank of coating. After dipping, the ISSB are conveyed to an electrically heated curing oven that is vented to stack 03200.

Emission Source/Control: 3200A - Process

Emission Source/Control: 3200B - Process

Permit ID: 4-4215-00054/00190

Facility DEC ID: 4421500054