

Facility DEC ID: 3335200371

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-3352-00371/00002
Effective Date: 09/03/2026 Expiration Date: 09/02/2036

Permit Issued To: ADVANCED COATING TECHNOLOGIES LLC
60 TURNER RD STE A
MIDDLETOWN, NY 10941

Contact: WALLI HAELEN
ADVANCED COATING TECHNOLOGIES
60 TURNER RD STE A
MIDDLETOWN, NY 10941
(845) 695-9420

Facility: ADVANCED COATING TECHNOLOGIES
225 TOWER DR
MIDDLETOWN, NY 10941

Description:

The air permit is for emission sources associated with applying engineered coatings to turbine parts. Emission sources at the facility include plasma and ceramic coaters, a central vacuum, and an evaporator. The facility is subject to limitations on particulate emissions, pursuant to 6 NYCRR Part 212. Cartidge and high efficiency particulate air filters are used to reduce particulate emissions from the coaters and the central vacuum.

Modification #1 of the permit is to add a new emission point for rinsing out a residual slurry from mixing containers.

Modification #2 of the permit is to add two new ceramic coaters, to remove two plasma coaters and two feeder enclosures, to combine two pairs of emission points into three individual emission points, and to designate an evaporator as a fume extractor.

Modification #3 of the permit is to combine the (2) EBPVD Coaters #4 and #5 into one single emission point. Emission calculations from the Gas Box Furnace are include changes as well.

Facility DEC ID: 3335200371

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: ELLEN M HART
NYSDEC - REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ____ / ____ / ____

Facility DEC ID: 3335200371

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.

Facility DEC ID: 3335200371

PAGE LOCATION OF CONDITIONS

PAGE

DEC GENERAL CONDITIONS

General Provisions

- | | | |
|---|---|---|
| 5 | 1 | Facility Inspection by the Department |
| 5 | 2 | Relationship of this Permit to Other Department Orders and Determinations |
| 5 | 3 | Applications for permit renewals, modifications and transfers |
| 6 | 4 | Permit modifications, suspensions or revocations by the Department |

Facility Level

- | | | |
|---|---|--|
| 6 | 5 | Submission of application for permit modification or renewal
-REGION 3 HEADQUARTERS |
|---|---|--|

Facility DEC ID: 3335200371

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.

Facility DEC ID: 3335200371

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal -REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
 NYSDEC Regional Permit Administrator
 Region 3 Headquarters
 Division of Environmental Permits
 21 South Putt Corners Road
 New Paltz, NY 12561-1696
 (845) 256-3054

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ADVANCED COATING TECHNOLOGIES LLC
60 TURNER RD STE A
MIDDLETOWN, NY 10941

Facility: ADVANCED COATING TECHNOLOGIES
225 TOWER DR
MIDDLETOWN, NY 10941

Authorized Activity By Standard Industrial Classification Code:
3479 - METAL COATING AND ALLIED SERVICES, NEC

Permit Effective Date: 09/03/2026

Permit Expiration Date: 09/02/2036

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

PAGE LOCATION OF CONDITIONS

PAGE

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- | | | |
|----|---|---|
| 6 | 1 | 6 NYCRR 200.7: Maintenance of Equipment |
| 6 | 2 | 6 NYCRR 202-1.1: Required Emissions Tests |
| 6 | 3 | 6 NYCRR 200.7: Compliance Demonstration |
| 7 | 4 | 6 NYCRR 211.2: Visible Emissions Limited |
| 7 | 5 | 6 NYCRR 212-1.6 (a): Compliance Demonstration |
| 9 | 6 | 6 NYCRR 212-2.4 (b): Compliance Demonstration |
| 10 | 7 | 6 NYCRR 212-2.4 (b): Compliance Demonstration |

Emission Unit Level

EU=U-00001,EP=00019

- | | | |
|----|---|---|
| 11 | 8 | 6 NYCRR 212-2.3 (b): Compliance Demonstration |
|----|---|---|

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- | | | |
|----|----|---|
| 13 | 9 | ECL 19-0301: Contaminant List |
| 13 | 10 | 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities |
| 14 | 11 | 6 NYCRR Subpart 201-5: Emission Unit Definition |
| 15 | 12 | 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits |
| 16 | 13 | 6 NYCRR 201-5.3 (c): Compliance Demonstration |
| 16 | 14 | 6 NYCRR 211.1: Air pollution prohibited |
| 16 | 15 | 6 NYCRR 212-1.6 (a): Compliance Demonstration |

Emission Unit Level

- | | | |
|----|----|---|
| 17 | 16 | 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit |
| 19 | 17 | 6 NYCRR Subpart 201-5: Process Definition By Emission Unit |

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/FINAL

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

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

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

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)

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

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: Maintenance of Equipment
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement:6 NYCRR 200.7**Item 1.1:**

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.

Condition 2: Required Emissions Tests
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement:6 NYCRR 202-1.1**Item 2.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the Department may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 3: Compliance Demonstration
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement:6 NYCRR 200.7**Item 3.1:**

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

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Emission Unit: U-00001

Emission Unit: U-00003

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

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Dust collector filters and HEPA filters must be maintained in good working condition. Filters shall be replaced as necessary, and a record shall be kept of when filters are replaced.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 4: Visible Emissions Limited

Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement:6 NYCRR 211.2

Item 4.1:

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 5: Compliance Demonstration

Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 5.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Monitoring Description:

The facility owner or operator shall conduct a visible emissions observation of all emission points and emission sources specified by this condition once per day while the process is in operation.

1) Observe the stack for each emission source which is operating, once per day for visible emissions. This observation(s) must be conducted during daylight hours, but not during periods of adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of observation
- observer's name
- identity of the emission point
- weather conditions
- was a plume observed

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

3) If the operator observes any visible emissions (other than steam - see below) for two consecutive days, either a Method 9 or Method 22 analysis (based upon the source emitting the visible emissions) of the affected emission point(s) or emission source(s) must be conducted within two (2) business days of such occurrence. The results of either the Method 9 or Method 22 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing either the Method 9 or Method 22 analysis if the opacity standard has been 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.

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

The facility owner or operator shall make any necessary corrections and verify that the excess visible emissions problem has been corrected.

All records kept pursuant to this condition must be provided to the Department upon request.

Reference Test Method: See Monitoring Description

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 6: Compliance Demonstration
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 6.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001	Emission Point: 00009
Emission Unit: U-00001	Emission Point: 00014
Emission Unit: U-00001	Emission Point: 00015
Emission Unit: U-00002	Emission Point: 00003
Emission Unit: U-00002	Emission Point: 00004
Emission Unit: U-00002	Emission Point: 00005
Emission Unit: U-00002	Emission Point: 00006
Emission Unit: U-00003	Emission Point: 00010
Emission Unit: U-00004	Emission Point: 00011
Emission Unit: U-00005	Emission Point: 00020

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

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of 6 NYCRR 212-2.5 (a) and (b).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE EVERY TEN YEARS

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 7: Compliance Demonstration
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**Item 7.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-00004

Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 000000-00-0 PARTICULATES

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall not cause or allow emissions of particulates that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department is requiring the facility to perform a stack test within the first year following the issuance of the permit renewal. The stack test results shall demonstrate compliance with the particulate emission rate limit in the absence of

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

emissions controls.

The facility owner or operator shall submit a stack test protocol within 30 days of the scheduled test followed by a report of the results submitted within 60 days of the stack test.

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Condition 8: Compliance Demonstration
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable Federal Requirement: 6 NYCRR 212-2.3 (b)**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00019

Regulated Contaminant(s):

CAS No: 000064-17-5 ETHYL ALCOHOL (ETHANOL)

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A process emission source emitting an air contaminant, having an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B or C, must meet the annual and short-term guideline concentrations for that contaminant at the property line of the facility.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

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

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

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 9: Contaminant List
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable State Requirement:ECL 19-0301

Item 9.1:

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

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)

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

Condition 10: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 09/03/2026 and 09/02/2036

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Applicable State Requirement:6 NYCRR 201-1.4**Item 10.1:**

(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 11: Emission Unit Definition**Effective between the dates of 09/03/2026 and 09/02/2036****Applicable State Requirement:6 NYCRR Subpart 201-5****Item 11.1:**

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

Emission Unit: U-00001

Emission Unit Description:

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Plasma Coating Equipment. This includes a suspension plasma spray coater (SPS), an SPS mising room, two SPS dust collectors, and a water filtration system for tote & drum rinsing in the SPS mising room.

Building(s): MAIN

Item 11.2:

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

Emission Unit: U-00002

Emission Unit Description:

EBPVD Coaters apply ceramic coating to parts. Fine ceramic dust is pulled into vacuum pumps which is vented outside. This unit includes EBPVD coaters number 3, 4, 5, and 6

Building(s): MAIN

Item 11.3:

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

Emission Unit: U-00003

Emission Unit Description:

Central Vacuum

Building(s): MAIN

Item 11.4:

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

Emission Unit: U-00004

Emission Unit Description:

Evaporator for the mechanical room and fume extractor for SPS solution.

Building(s): MAIN

Item 11.5:

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

Emission Unit: U-00005

Emission Unit Description:

Gas Box Furnace which is used to ensure removal of organic materials prior to coating.

Building(s): MAIN

Condition 12: Renewal deadlines for state facility permits

Effective between the dates of 09/03/2026 and 09/02/2036

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

Item 12.1:

The owner or operator of a facility having an issued state facility permit shall submit a complete

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 13: Compliance Demonstration

Effective between the dates of 09/03/2026 and 09/02/2036

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

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 3
21 South Putt Corners Rd.
New Paltz, NY 12561

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2027.

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

Condition 14: Air pollution prohibited

Effective between the dates of 09/03/2026 and 09/02/2036

Applicable State Requirement:6 NYCRR 211.1

Item 14.1:

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 15: Compliance Demonstration

Effective between the dates of 09/03/2026 and 09/02/2036

Applicable State Requirement:6 NYCRR 212-1.6 (a)

Item 15.1:

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

The Compliance Demonstration activity will be performed for the Facility.

Item 15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2027.

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

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

Condition 16: Emission Point Definition By Emission Unit
Effective between the dates of 09/03/2026 and 09/02/2036

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 16.1:

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

Emission Unit: U-00001

Emission Point: 00009

Height (ft.): 42	Diameter (in.): 8	
NYTMN (km.): 4590.995	NYTME (km.): 551.679	Building: MAIN

Emission Point: 00013

Height (ft.): 38	Length (in.): 22	Width (in.): 22
NYTMN (km.): 4590.995	NYTME (km.): 551.679	Building: MAIN

Emission Point: 00014

Height (ft.): 12	Length (in.): 26	Width (in.): 32
NYTMN (km.): 4590.995	NYTME (km.): 551.679	Building: MAIN

Emission Point: 00015

Height (ft.): 12	Length (in.): 26	Width (in.): 32
NYTMN (km.): 4590.995	NYTME (km.): 551.679	Building: MAIN

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Emission Point: 00018
Height (ft.): 19 Diameter (in.): 24
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Emission Point: 00019
Height (ft.): 23 Diameter (in.): 5
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Item 16.2:

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

Emission Unit: U-00002

Emission Point: 00003
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Emission Point: 00004
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Emission Point: 00005
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Emission Point: 00006
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Item 16.3:

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

Emission Unit: U-00003

Emission Point: 00010
Height (ft.): 27 Diameter (in.): 6
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Item 16.4:

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

Emission Unit: U-00004

Emission Point: 00011
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Item 16.5:

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

Emission Unit: U-00005

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Emission Point: 00020

Height (ft.): 37

Diameter (in.): 36

NYTMN (km.): 4590.995 NYTME (km.): 551.679 Building: MAIN

Condition 17: Process Definition By Emission Unit

Effective between the dates of 09/03/2026 and 09/02/2036

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 17.1:

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

Emission Unit: U-00001

Process: 002

Source Classification Code: 3-09-045-00

Process Description:

Suspension Plasma Spray (SPS) coaters are used to apply ceramic coatings to turbine parts. Emission sources associated with the SPS coaters include feeder lines, a fume extractor, and a room used for mixing the coatings in tanks and washing a residual slurry from containers. Particulate emissions from the coaters vent to a dust collector and then to a HEPA filter which exhausts to the atmosphere. Emissions from the feeder lines consist of particulates and ethanol. There are also ethanol emissions from the fume extractor and the mixing and washing operations.

Emission Source/Control: 01402 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 01403 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 01502 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 01503 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00901 - Process

Emission Source/Control: 00902 - Process

Emission Source/Control: 01301 - Process

Emission Source/Control: 01401 - Process

Emission Source/Control: 01501 - Process

Emission Source/Control: 01801 - Process

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Emission Source/Control: 01901 - Process

Item 17.2:

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

Emission Unit: U-00002

Process: 003

Source Classification Code: 3-09-045-00

Process Description:

Four EBPVD coaters are used to apply ceramic coatings to turbine parts. Trace fine ceramic dust is exhausted through the vacuum pump for each coater.

Emission Source/Control: 00301 - Process

Emission Source/Control: 00401 - Process

Emission Source/Control: 00501 - Process

Emission Source/Control: 00601 - Process

Item 17.3:

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

Emission Unit: U-00003

Process: 004

Source Classification Code: 3-09-020-99

Process Description:

The central vacuum is used to collect ceramic powder, ceramic coating grit, and general floor dust from the floor. Cyclonic filters, a dust collector, and HEPA filters are used to reduce emissions.

Emission Source/Control: 01002 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: 01003 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 01004 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 01001 - Process

Item 17.4:

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

Emission Unit: U-00004

Process: 005

Source Classification Code: 3-09-820-02

Process Description:

An evaporator is used to discharge some of the oil from the air compressors.

Emission Source/Control: 01101 - Process

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371

Item 17.5:

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

Emission Unit: U-00005

Process: 006

Source Classification Code: 3-09-001-98

Process Description:

Gas Box Furnace Operation - Used to clean organic
material/residue from parts, operates 8760 hours/year

Emission Source/Control: 00020 - Process

Permit ID: 3-3352-00371/00002

Facility DEC ID: 3335200371