



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Travis A. Voyles
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director

July 24, 2024

Mr. Gregory Fritz
VP Production
Evolve Manufacturing, LLC
200 Lenoir Drive, Unit B
Winchester, Virginia 22603
greg@evolvestone.com

Location: Frederick County
Registration No.: 81686

Dear Mr. Fritz:

Attached is an initial Title V permit to operate the Evolve Manufacturing, LLC facility pursuant to 9VAC5 Chapter 80 Article 1 of the Virginia Regulations for the Control and Abatement of Air Pollution. The attached permit will be in effect beginning July 24, 2024.

In the course of evaluating the application and arriving at a final decision to issue this permit, the Department of Environmental Quality (DEQ) deemed the application complete on November 3, 2023 and solicited written public comments by placing a newspaper advertisement in The Winchester Star on June 4, 2024. The thirty-day required comment period, provided for in 9VAC-80-270 expired on July 5, 2024.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to operate shall not relieve Evolve Manufacturing, LLC of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the DEQ within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia, at <http://www.courts.state.va.us/courts/scv/rules.html>, for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact Debbie Medlin at (540) 217-7071 or Debbie.Medlin@deq.virginia.gov.

Sincerely,



for Trevor H. Wallace, P.E.
Air Permit Manager
Virginia Department of Environmental Quality
Valley Regional Office
P.O. Box 3000, Harrisonburg, Virginia 22801
540-574-7800

Attachment: Permit

cc: File DEQ-VRO
Air Compliance Inspector, VA DEQ (via email)
OAPP, VA DEQ (via email)
U.S. EPA, Region III (via email)



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name: **Evolve Manufacturing, LLC**
Facility Name: **Evolve Manufacturing, LLC**
Facility Location: **200 Lenoir Drive, Unit B**
Winchester, VA 22603

Registration Number: **81686**
Permit Number: **VRO-81686**

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act

July 24, 2024
Effective Date

July 23, 2029
Expiration Date


for Regional Air Permit Manager

Table of Contents, page 1
Permit Conditions, pages 4 through 29

Table of Contents

Facility Information	2
Emission Units	3
Processing Equipment Requirements – (Emission Unit ID#s - 10, 20, 30, 40A and 40B)	4
LIMITATIONS.....	4
MONITORING AND RECORDKEEPING	10
TESTING	11
MACT Requirements (NESHAP for Reinforced Plastics Composites Production - 40 CFR 63 Subpart WWWW)	11
LIMITATIONS.....	11
MONITORING AND COMPLIANCE	13
REPORTS	17
RECORDKEEPING.....	18
TESTING	19
Insignificant Emission Units.....	19
Permit Shield & Inapplicable Requirements.....	19
General Conditions	20
State-Only Enforceable Requirements.....	29

Facility Information

Permittee

Evolve Manufacturing, LLC
200 Lenoir Drive, Unit B
Winchester, VA 22603

Responsible Official

Gregory Fritz
VP Manufacturing

Facility

Evolve Manufacturing, LLC
200 Lenoir Drive, Unit B
Winchester, VA 22603

Contact Person

Gregory Fritz
VP Manufacturing
(301) 536-4223

Federal Identification Number: VA0000005106900151

NAICS Code: 326199 - Establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, and plumbing fixtures).

Facility Description:

Evolve Manufacturing, LLC (Evolve Manufacturing) is a facility that manufactures molded fiberglass products, including brick facing and items typically associated with playgrounds such as “boulders”, “tree stumps”, and “rocks”. The products are manufactured using resin casting in a semi-enclosed structure for the brick facing and open molding for the playground style equipment. Open molding processes are via non-atomized mechanical resin application, non-atomized spray gel coating, and gel coating using hand layup.

The facility emits non-HAP VOCs and several HAP, including styrene and methyl methacrylate (MMA). Evolve Manufacturing is a Title V major source of styrene. This source is located in an attainment area for all pollutants and is a Prevention of Significant Deterioration (PSD) minor source. The facility is currently permitted under a minor New Source Review (NSR) Permit issued on November 3, 2023. This is the initial Title V permit for this facility.

Emission Units

Process Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description *	PCD ID	Pollutant Controlled	Applicable Permit Date
10	--	Resin – Non atomized spray	1.5 gal/min	--	--	--	11/03/2023
20	--	Resin Casting	--	--	--	--	11/03/2023
30	--	Mold Prep (consisting of Release Agents 1 and 2)	--	--	--	--	11/03/2023
40A	--	Clear Gel Coat – Hand Lay-up	--	--	--	--	11/03/2023
40B	--	Clear Gel Coat – Non-atomized Spray	--	--	--	--	11/03/2023

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only and is not an applicable requirement.

Processing Equipment Requirements – (Emission Unit ID#s - 10, 20, 30, 40A and 40B)

Limitations

1. Limitation (EU IDs 10 and 40B) - Volatile organic compound (VOC) emissions from the Resin Non-atomized Spray (EU ID 10) application and the Clear Gel Coat - Non-atomized Spray (EU ID 40B) application shall be controlled by the use of non-atomizing fluid impingement spray guns.
(9VAC5-80-110 and Condition 1 of 11/03/23 Permit)
2. VOC Work Practice Standards –
 - a. At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds (VOC) shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.
 - b. Use of cleaners that allow the facility to comply with the requirements of 40CFR63, Subpart WWWW, Table 4.
 - c. Containers that store VOC-containing materials must be kept closed or covered except during the addition or removal of materials.
 - d. Keep mixing container vents closed or covered except during the addition or removal of materials. Containers of five gallons or less may be open when active mixing is taking place, or during periods when they are actively used to apply resin.
(9VAC5-80-110 and Condition 3 of 11/03/23 Permit)
3. Best Management Practice: VOC – Building doors and windows shall be closed during operations that result in VOC emissions.
(9VAC5-80-110 and Condition 4 of 11/03/23 Permit)
4. Throughput: Resin Requirements - Non-atomized Spray (EU ID 10) – The total throughput of resin for Resin – Non-atomized Spray (EU ID 10) shall not exceed 50 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 5 of 11/03/23 Permit)

5. Throughput: Resin Casting (EU ID 20) – The throughput of cast resin for Resin Casting (EU ID 20) operations shall not exceed 5,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 6 of 11/03/23 Permit)
6. VOC Content Limit: Resin Casting (EU ID 20) – The VOC-styrene (CAS# 100-42-5) content of the cast resin used in the Resin Casting (EU ID 20) operations shall not exceed 700 lb per ton of cast resin used.
(9VAC5-80-110 and Condition 7 of 11/03/23 Permit)
7. VOC Content Limit: Resin Casting (EU ID 20) – The VOC-alpha methyl styrene (CAS# 8-83-9) content of the cast resin used in the Resin Casting (EU ID 20) operations shall not exceed 10 lb per ton of cast resin used.
(9VAC5-80-110 and Condition 8 of 11/03/23 Permit)
8. Throughput: Clear Gel Coat – Hand Lay-up (EU ID 40A) – The throughput of clear gel coat for Clear Gel Coat – Hand Layup (EU ID 40A) operations shall not exceed 10 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 9 of 11/03/23 Permit)
9. Throughput: Clear Gel Coat – Non-atomized Spray (EU ID 40B) – The throughput of clear gel coat for the Clear Gel Coat – Non-atomized Spray (EU ID 40B) application shall not exceed 10 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 10 of 11/03/23 Permit)
10. Throughput: Mold Prep (EU ID 30) – The combined VOC throughput of the Release Agents 1 and 2 used for Mold Prep (EU ID 30) shall not exceed 16 tons per year, calculated monthly as the sum of each consecutive 12-month period. The individual and combined VOC throughput(s) for the Release Agents 1 and 2 shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 11 of 11/03/23 Permit)
11. VOC Content Limit: Mold Prep (EU ID 30) – The VOC content of Release Agent 1 used for Mold Prep (EU ID 30) shall not exceed 5.56 pounds per gallon.
(9VAC5-80-110 and Condition 12 of 11/03/23 Permit)

12. VOC Content Limit: Mold Prep (EU ID 30) – The VOC content of Release Agent 2 used for Mold Prep (EU ID 30) shall not exceed 6.69 pounds per gallon.
 (9VAC5-80-110 and Condition 13 of 11/03/23 Permit)
13. Process Emission Limit: Mold Prep (EU ID 30) – The combined VOC emissions from the Release Agents 1 and 2 used in Mold Prep (EU ID 30) shall not exceed 15.2 tons per year, calculated monthly as the sum of each consecutive 12-month period. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months and may be determined as stated in Conditions 11 and 12.
 (9VAC5-80-110 and Condition 14 of 11/03/23 Permit)
14. Emission Limit: Resin - Non-atomized Spray (EU ID 10) – VOC emissions-styrene (CAS# 100-42-5) from the resin used for Resin – Non-atomized Spray (EU ID 10) application shall not exceed 1.92 tons per year, calculated monthly as the sum of each consecutive 12-month period.
 - a. VOC emissions from the resin applied using the Resin – Non-atomized Spray (VOC_{rna})(EU ID 10) application shall be calculated, in tons/month, using the following equation (Equation 1):

$$VOC_{rna} = \sum_{i=1}^n \frac{(B_{rna} * D_{rna})}{2000}$$

Equation 1

Where:

- | | | |
|-------------|---|---|
| VOC_{rna} | = | VOC emissions from the resin applied using Resin Non-atomized Spray (EU ID 10) application in tons/month |
| B_{rna} | = | Emission factor for Resin – Non-atomized Spray (EU ID 10) as specified in Tables 1 and 3 to 40CFR63, Subpart WWWW (lb VOC emitted / ton resin throughput) for open molding (non-corrosion resistant/high strength) - mechanical resin application |
| D_{rna} | = | weight (in tons) of resin throughput via Resin – Non-atomized Spray (EU ID 10) during the month |
| n | = | Number of unique resins throughput |

- b. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months and may be determined as stated in Conditions 10 and 11.

(9VAC5-80-110 and Condition 15 of 11/03/23 Permit)

15. Emission Limit: Resin Casting (EU ID 20) VOC-styrene – VOC emissions-styrene (CAS# 100-42-5) from the resin used for Resin Casting (EU ID 20) operations shall not exceed 52.5 tons per year, calculated monthly as the sum of each consecutive 12-month period.

- a. VOC-styrene (CAS# 100-42-5) emissions (tons/month) from Resin Casting (VOC_{rc}) (EU ID 20) operations shall be calculated, in tons/month, using the following equation:

$$VOC_{rc-s} = 0.03 * D_{rc} \text{ (in tons)}$$

Equation 2a

Where:

VOC_{rc-s} = VOC-styrene (CAS# 100-42-5) emissions (tons/month) from Resin Casting (EU ID 20) operations

D_{rc} = Weight (in tons) of cast resin throughput during the month

0.03 = VOC-styrene emission factor from cast resin use

- b. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months and may be determined as stated in Conditions 6 and 7.

(9VAC5-80-110 and Condition 15 of 11/03/23 Permit)

16. Emission Limit: Resin Casting (EU ID 20) _VOC-alpha methyl styrene – VOC emissions-alpha methyl styrene (CAS# 98-83-9) from the cast resin used for Resin Casting (EU ID 20) operations shall not exceed 0.41 tons per year, calculated monthly as the sum of each consecutive 12-month period.

- a. VOC-alpha methyl styrene (CAS# 98-83-9) emissions from Resin Casting (VOC_{rc})(EU ID 20) operations shall be calculated, in tons/month, using the following equation:

$$VOC_{rc-ams} = ((F/100) * (0.03 * D_{rc} \text{ (in tons)}) * 0.55$$

Equation 2b

Where:

VOC _{rc-ams}	=	VOC-alpha methyl styrene (CAS# 98-83-9) emissions from the resin casting operations in tons/month
F	=	VOC-alpha methyl styrene (CAS# 98-83-9) weight content percent, expressed as a decimal, of cast resin throughput during the month
0.03	=	VOC-styrene emission factor from cast resin use
D _{rc}	=	weight (in tons) of cast resin throughput during the month
0.55	=	VOC-alpha methyl styrene emission factor

- b. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months and may be determined as stated in Conditions 5 and 7.

(9VAC5-80-110 and Condition 16 of 11/03/23 Permit)

17. Emission Limit: Clear Gel Coating - Hand Lay-up (EU ID 40A) – VOC emissions from Clear Gel Coat – Hand Lay-up (EU ID 40A) process shall not exceed 1.64 tons per year, calculated monthly as the sum of each consecutive 12-month period.

- a. VOC emissions from Clear Gel Coat – Hand Lay-up (EU ID 40A) applied using the Clear Gel Coat – Hand Lay-up (VOC_{gh})(EU ID 40A) process shall be calculated in tons/month, using the following equation:

$$VOC_{gh} = \sum_{i=1}^n \frac{(B_{gh} * D_{gh})}{2000}$$

Equation 3

Where:

VOC_{gh} = VOC emissions from the Clear Gel Coat - Hand Lay-up process in tons/month.

B_{gh} = Emission factor for the Clear Gel Coat - Hand Lay-up process as specified in Tables 1 and 3 to 40CFR63, Subpart WWWW (lb VOC emitted / ton gel coat throughput) for the non-atomized spray gel coat application (clear production gel coat)

D_{gh} = weight (in tons) of clear gel coat - hand lay-up throughput during the month.

n = Number of unique gel coatings throughput.

- b. Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition 8.

(9VAC5-80-110 and Condition 18 of 11/03/23 Permit)

18. Emission Limit: Clear Gel Coat – Non-Atomized Spray (EU ID 40B) – VOC emissions from clear gel coat – non-atomized spray application operations shall not exceed 1.64 tons per year, calculated monthly as the sum of each consecutive 12-month period.

- a. VOC emissions from Clear Gel Coat – Non-Atomized Spray (EU ID 40B) applied using the clear gel coat non-atomized spray gel coat process (VOC_{gs})(EU ID 40B) shall be calculated, in tons/month, using the following equation:

$$VOC_{gs} = \sum_{i=1}^n \frac{(B_{gs} * D_{gs})}{2000}$$

Equation 4

Where:

VOC_{gs} = VOC emissions from the Clear Gel Coat – Non-atomized Spray process in tons/month

B_{gs} = Emission factor for the Clear Gel Coat – Non-atomized Spray process as specified in Table 1 to 40 CFR 63, Subpart WWWW (lb VOC emitted / ton gel coat throughput) for the non-atomized spray gel coat application (clear production gel coat)

Where:

D_{gs} = weight (in tons) of gel coat throughput during the month.

n = Number of unique gel coatings throughput.

- b. Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period. These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 1 and 9.

(9VAC5-80-110 and Condition 18 of 11/03/23 Permit)

Monitoring and Recordkeeping

- 19. On Site Records - The permittee shall maintain records of emissions data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ. These records shall include, but are not limited to:
 - a. Monthly and annual throughputs (in tons) as required by Conditions 4, 5, 8, 9, and 11.
 - b. Monthly and annual VOC emissions (in tons) as required by Conditions 13, 14, 15, 16, 17, and 18.
 - c. Globally Harmonized System Safety Data Sheets, Material Safety Data Sheets, Certified Product Data Sheets or other vendor information showing coating name, VOC content, and density of each gel coating, resin, and release agent used. These records shall demonstrate compliance with Conditions 4, 5, 6, 7, 8, 9, 10, 11, and 12.
 - d. All data, assumptions, and calculations used to determine VOC emissions factors for each resin and gel coating used in the permitted operations, as required in Conditions 14, 15, 16, 17, and 18.
 - e. A certified statement of compliance with the work practice requirements in Condition 2.
 - f. Records of maintenance / operating procedures and training.
 - g. Records of semi-annual reports submitted, as required in Condition 43.
 - h. Records of bypass, malfunctions, shutdown or failure of the facility and its associated air pollution control equipment as required in Condition 46.

- i. Scheduled and unscheduled maintenance, and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9VAC5-80-110 and Condition 20 of 11/03/23 Permit)

Testing

20. Emissions Testing – The molded fiberglass manufacturing facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports, safe sampling platforms, and access at the appropriate locations shall be provided when requested.

(9VAC5-80-110 and Condition 2 of 11/03/23 Permit)

21. Testing – Upon request by the DEQ, the permittee shall conduct testing (e.g. stack testing, VOC retention testing, weight-loss testing, etc.) as needed to determine VOC emitted from the equipment described in the Equipment List to demonstrate compliance with the emission limits and calculation methods contained in this permit. The details of the tests shall be arranged with the DEQ.

(9VAC5-80-110 and Condition 21 of 11/03/23 Permit)

MACT Requirements (NESHAP for Reinforced Plastics Composites Production - 40 CFR 63 Subpart WWWW)

As used in this Section of the permit, “you” refers to the permittee.

Limitations

22. Limitations - Except where this permit is more restrictive, the facility shall be operated in compliance with the requirements of 40 CFR 63 Subpart WWWW.

(9VAC5-80-110 and 40 CFR 63 Subpart WWWW)

23. Limitations – The permittee may use the equations in Table 1 to 40 CFR 63 Subpart WWWW to calculate facility specific emissions factors to meet organic HAP emission limits.

(9VAC5-80-110, 40 CFR 63.5796, and Table 1 to 40 CFR 63 Subpart WWWW)

24. Limitations – To determine the organic HAP content of resins or gels by using information provided by the material manufacturer, such as manufacturer's formulation data and material safety data sheets (MSDS), using the procedures specified in paragraphs (a) through (c) of this Condition, as applicable:

- a. Include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for Occupational Safety and Health Administration-defined carcinogens, as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds.
- b. If the organic HAP content is provided by the material supplier or manufacturer as a range, you must use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content, such as an analysis of the material by EPA Method 311 of appendix A to 40 CFR part 63, exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then you must use the measured organic HAP content to determine compliance.
- c. If the organic HAP content is provided as a single value, you may use that value to determine compliance. If a separate measurement of the total organic HAP content is made and is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then you still may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then you must use the measured organic HAP content to determine compliance.

Resin or gel coat application technology, new or existing, whose emission characteristics are not represented by the equations in Table 1 to 40 CFR 63 Subpart WWW, may be established using the procedures outlined in § 63.5798 to establish an organic HAP emissions factor.

(9VAC 5-80-110 and 40 CFR 63.5797, and 40 CFR 63.5798)

25. Limitations – Organic HAP Emission Limits: You must be in compliance at all times with organic HAP emissions limits:

- a. You must meet the following organic HAP emission limits:

Operation Type	Application Method	HAP Emission Limit
Open Molding – Non-CR/HS	Mechanical Resin Application	88 lb/ton
Open Molding – Gel Coat	Clear Production Gel Coat	522 lb/ton

- b. Organic HAP emission limits are expressed as lb/ton. You must be at or below these values based on a 12-month rolling average. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

- c. If you only apply gel with manual application, for compliance purposes treat the gel coat as if it were applied using atomized spray guns to determine both emission limits and emission factors. If you use multiple application methods and any portion of a specific gel coat is applied using nonatomized spray, you may use the nonatomized spray gel coat equation to calculate an emission factor for the manually applied portion of that gel coat. Otherwise, use the atomized spray gel coat application equation to calculate emission factors.

(9 VAC5-80-110, 40 CFR 63.5805(c), 40 CFR 63.5835(a), and Table 3 to 40 CFR 63 Subpart WWWW)

- 26. Work Practice Standards - You must meet the work practice standards of Table 4 of 40 CFR 63 Subpart WWWW, at all times:

- a. A new or existing cleaning operation - You must not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
- b. All mixer operations - Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
- c. Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to one inch are permissible around mixer shafts and any required instrumentation.
- d. Keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels. Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (*i.e.*, they are actively being used to apply resin). For polymer casting mixing operations, containers with a surface area of 500 square inches or less may be open while active mixing is taking place.

(9 VAC5-80-110, 40 CFR 63.5835(a), and Table 4 to 40 CFR 63 Subpart WWWW)

Monitoring and Compliance

- 27. Compliance - To calculate your facility's organic HAP emissions in tons per year for purposes of determining which emission limits in Condition 25 are applicable, you must use the procedures in either paragraph (a) or (b) of this Condition:
 - a. Calculated emission factor - Calculate a weighted average organic HAP emissions factor on a lbs/ton of resin and gel coat basis. Base the weighted average on the prior 12 months of operation. Multiply the weighted average organic HAP emissions factor by resin and gel coat use over the same period. You may calculate this organic HAP

emissions factor based on the equations in Table 1 to 40 CFR 63 Subpart WWWW, or you may use any organic HAP emissions factor approved by the EPA, such as factors from AP-42, or site-specific organic HAP emissions factors if they are supported by HAP emissions test data.

- b. Conduct performance testing - Conduct performance testing using the test procedures in § 63.5850 to determine a site-specific organic HAP emissions factor in units of lbs/ton of resin and gel coat used. Conduct the test under conditions expected to result in the highest possible organic HAP emissions. Multiply this factor by annual resin and gel coat use to determine annual organic HAP emissions. This calculation must be repeated and reported annually.

(9VAC 5-80-110 and 40 CFR 63.5799)

- 28. Compliance - You must use one of the following methods in (a) or (b) of this Condition to meet the standards for open molding operations in Condition 25, and Table 3 to 40 CFR 63 Subpart WWWW. You may use any control method that reduces organic HAP emissions, including reducing resin and gel coat organic HAP content, changing to nonatomized mechanical application, using covered curing techniques, and routing part or all of your emissions to an add-on control. You may use different compliance options for the different operations listed in Condition 25, and Table 3 to 40 CFR 63 Subpart WWWW. The necessary calculations must be completed within 30 days after the end of each month. You may switch between the compliance options in paragraph (a) or (b) of this Condition. When you change to an option based on a 12-month rolling average, you must base the average on the previous 12 months of data calculated using the compliance option you are changing to:
 - a. Demonstrate compliance based on an individual resin or gel coat - Calculate your actual organic HAP emissions factor for each different process stream within each operation type. A process stream is defined as each individual combination of resin or gel coat, application technique, and control technique. Process streams within operation types are considered different from each other if any of the following four characteristics vary: the neat resin plus or neat gel coat plus organic HAP content, the gel coat type, the application technique, or the control technique. You must calculate organic HAP emissions factors for each different process stream by using the appropriate equations in Table 1 to 40 CFR 63 Subpart WWWW for open molding.
 - b. Demonstrate that, on average, you meet the individual organic HAP emissions limits for each combination of operation type and resin application method or gel coat type - Demonstrate that on average you meet the individual organic HAP emissions limits for each unique combination of operation type and resin application method or gel coat type shown in Table 3 to 40 CFR 63 Subpart WWWW that applies to you.
 - i. Group the process streams described in paragraph (a) to this section by operation type and resin application method or gel coat type listed in Table 3 to 40 CFR 63 Subpart WWWW and then calculate a weighted average emission factor based

on the amounts of each individual resin or gel coat used for the last 12 months. To do this, sum the product of each individual organic HAP emissions factor calculated in paragraph (a) of this section and the amount of neat resin plus and neat gel coat plus usage that corresponds to the individual factors and divide the numerator by the total amount of neat resin plus and neat gel coat plus used in that operation type as shown in the following equation:

$$A = \frac{\sum_{i=1}^n B_i \times M_i}{\sum_{i=1}^n M_i}$$

Where:

A	=	Average organic HAP Emissions Factor
B _i	=	Actual Process Stream EFi: actual organic HAP emissions factor for process stream i, lbs/ton
M _i	=	Material: neat resin plus or neat gel coat plus used during the last 12 calendar months for process stream i, tons
n	=	number of process streams where you calculated an organic HAP emissions factor

(9 VAC 5-80-110 and 40 CFR 63.5810(a) and (c))

29. General Compliance Requirements – You must operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i). You must operate the affected source in accordance with the General Provisions provided in Table 15 to 40 CFR 63 Subpart WWWW, as applicable.
 (9 VAC 5-80-110, 40 CFR 63.5835, 40 CFR 63.5925, and Table 15 to 40 CFR 63 Subpart WWWW)
30. Initial Compliance – Initial compliance is demonstrated as follows:
 - a. Open molding operations that elect to meet an organic HAP emissions limit on a 12-month rolling average must initiate collection of the required data on the compliance date and demonstrate compliance one year after the compliance date.
 - b. Demonstrate initial compliance with each organic HAP emission standard in §63.5805 that applies to you by using the procedures shown in i and ii.:

- i. Organic HAP Emission Limits - Meet the organic HAP emission limits specified in Condition 25.a., using Equations 1, 3, or 4 of Conditions 14, 17, or 18, respectively, on a 12-month rolling average.
- ii. Work Practice Standards – Submit a certified statement in the notice of compliance for work practice standards as required in Condition 43.b.

(9 VAC 5-80-110 and 40 CFR 63.5840, 40 CFR 63.5860(a), and Tables 8 and 9 of 40 CFR 63 Subpart WWWW)

31. Continuous Compliance - Continuous compliance is demonstrated by:

- a. You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP emissions limits based on an organic HAP emissions limit in Tables 3 or 5 to 40 CFR 63 Subpart WWWW. You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP content limits in Table 7 to 40 CFR 63 Subpart WWWW if you are averaging organic HAP contents. Resin use records may be based on purchase records if you can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.
- b. Resin and gel coat use records are not required for the individual resins and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in §63.5810(a). However, you must retain the records of resin and gel coat organic HAP content, and you must include the list of these resins and gel coats and identify their application methods in your semiannual compliance reports. If after you have initially demonstrated that a specific combination of an individual resin or gel coat, application method, and controls meets its applicable emission limit, and the resin or gel coat changes or the organic HAP content increases, or you change the application method or controls, then you again must demonstrate that the individual resin or gel coat meets its emission limit as specified in paragraph (a) of § 63.5810. If any of the previously mentioned changes results in a situation where an individual resin or gel coat now exceeds its applicable emission limit in Table 3 or 5 to 40 CFR 63 Subpart WWWW, you must begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a 12-month rolling average.

(9 VAC 5-80-110 and 40 CFR 63.5895(c) and (d))

32. Continuous Compliance - Continuous compliance is demonstrated by:

- a. Compliance with organic HAP emissions limits is demonstrated by maintaining an organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit listed in Table 3 or 5 to 40 CFR 63 Subpart WWWW, on a 12-month rolling average, and/or by including in each compliance report a statement that

individual resins and gel coats, as applied, meet the appropriate organic HAP emissions limits, as discussed in §63.5895(d).

- b. Compliance with the work practice standards in Table 4 to 40 CFR 63 Subpart WWW is demonstrated by performing the work practice required for your operation.
- c. You must report each deviation from each standard in §63.5805 that applies to you. The deviations must be reported according to the requirements in §63.5910.
- d. You must meet the organic HAP emissions limits and work practice standards that apply to you at all times.

(9 VAC 5-80-110 and 40 CFR 63.5900(a)(3) and (a)(4) and 40 CFR 63.5900(b) and (c))

Reports

33. Reporting – You must submit the following reports:

- a. You must submit the notifications specified in §63.9(b)(5) no later than the dates specified in §63.9(b)(5).
- b. The compliance report must contain the information in paragraphs (b)(i) through (iv) of this section:
 - i. Company name and address.
 - ii. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - iii. Date of the report and beginning and ending dates of the reporting period.
 - iv. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply to you, and there are no deviations from the requirements for work practice standards in Table 4 to 40 CFR 63 Subpart WWW, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.
- c. For each deviation from an organic HAP emissions limitation or operating limit and for each deviation from the requirements for work practice standards that occurs at an affected source where you are not using a CMS to comply with the organic HAP emissions limitations or work practice standards in 40 CFR 63 Subpart WWW, the compliance report must contain the information in paragraphs (b)(i) through (iii) of this Condition and in paragraphs (c)(i) and (ii) of this Condition.

- i. The total operating time of each affected source during the reporting period.
- ii. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- d. You must report if you have exceeded the 100 tpy organic HAP emissions threshold if that exceedance would make your facility subject to §63.5805(a)(1) or (d). Include with this report any request for an exemption under §63.5805(e). If you receive an exemption under §63.5805(e) and subsequently exceed the 100 tpy organic HAP emissions threshold, you must report this exceedance as required in §63.5805(f).
- e. You must report all deviations as defined in 40 CFR 63 Subpart WWWW in the semiannual monitoring report required by Condition 43.
- f. Submit compliance reports based on the requirements in §63.5910 and §63.5912 and Table 14 to 40 CFR 63 Subpart WWWW.
- g. Where multiple compliance options are available, you must state in your next compliance report if you have changed compliance options since your last compliance report.

(9VAC 5-80-110, 40 CFR 63.5905, 40 CFR 63.5910, and Tables 13 and 14 to 40 CFR 63 Subpart WWWW)

34. Reporting - You must submit all reports to the DEQ and EPA. Reports to the EPA are to be submitted via CEDRI, which can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). You must use the appropriate electronic report template on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>) for 40 CFR 63 Subpart WWWW. The report must be submitted by the deadline specified in 40 CFR 63 Subpart WWWW, regardless of the method in which the report is submitted.
(9VAC 5-80-110 and 40 CFR 63.5912(d))

Recordkeeping

35. Recordkeeping - You must keep the records listed below:
- a. A copy of each notification and report that you submitted to comply with 40 CFR 63 Subpart WWWW, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv); and
 - b. You must keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for operations listed in Tables 3, 5, and 7 to 40 CFR 63 Subpart WWWW.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9VAC5-80-110 and 40 CFR 63.5915)

Testing

36. Testing - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.

(9VAC5-80-110)

Insignificant Emission Units

37. Insignificant Emission Units - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
--	Natural gas-fired water heater	9VAC5-80-720B	NO _x , CO	--

9VAC5-80-720 A - Listed Insignificant Activity, Not Included in Permit Application

9VAC5-80-720 B - Insignificant due to emission levels

9VAC5-80-720 C - Insignificant due to size or production rate

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110.

(9VAC5-80-110)

Permit Shield & Inapplicable Requirements

38. Permit Shield & Inapplicable Requirements - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
None Identified	-	-

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act or (ii) the DEQ pursuant to §10.1-1307.3 or §10.1-1315 of the Virginia Air Pollution Control Law.
(9VAC5-80-110 and 9VAC5-80-140)

General Conditions

39. General Conditions - Federal Enforceability - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9VAC5-80-110)
40. General Conditions - Permit Expiration
- a. This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
 - b. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
 - c. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the DEQ takes final action on the application under 9VAC5-80-150.
 - d. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.
 - e. If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the DEQ fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

- f. The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application.

(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

- 41. General Conditions - Recordkeeping and Reporting - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
 - a. The date, place as defined in the permit, and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of such analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.

(9VAC5-80-110)

- 42. General Conditions - Recordkeeping and Reporting - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9VAC5-80-110)

- 43. General Conditions - Recordkeeping and Reporting - The permittee shall submit the results of monitoring contained in any applicable requirement to the DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
 - a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
 - b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
 - i. Exceedances of emissions limitations or operational restrictions;

- ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring or periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
 - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semiannual reporting period."

(9VAC5-80-110)

44. General Conditions - Annual Compliance Certification - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to the Environmental Protection Agency (EPA) and the DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a) (3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
 - b. The identification of each term or condition of the permit that is the basis of the certification;
 - c. The compliance status;
 - d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
 - e. Consistent with subsection 9VAC5-80-110, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
 - f. Such other facts as the permit may require to determine the compliance status of the source; and

- g. One copy of the annual compliance certification shall be submitted to the EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9VAC5-80-110)

- 45. General Conditions - Permit Deviation Reporting - The permittee shall notify the DEQ Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semiannual compliance monitoring report pursuant to Condition 43 of this permit.
(9VAC5-80-110 F. 2)
- 46. General Conditions - Failure/Malfunction Reporting - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall no later than four daytime business hours after the malfunction is discovered, notify the DEQ of such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the DEQ.
(9VAC5-80-110 and 9VAC5-20-180)
- 47. General Conditions - Failure/Malfunction Reporting - Each owner required to install a continuous monitoring system (CMS) or monitoring device subject to 9VAC5-40-41 or 9VAC5-50-410 shall submit a written report of excess emissions (as defined in the applicable subpart in 9VAC5-50-410) and either a monitoring systems performance report or a summary report form, or both, to the DEQ semiannually. All semiannual reports shall be postmarked by the 30th day following the end of each calendar semiannual period (June 30th and December 31st). All reports shall include the following information:
 - a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9VAC5-40-41 B.6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;
 - b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

- c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

All malfunctions of emission units not subject to 9VAC5-40-50 C and 9VAC5-50-50 C require written reports within 14 days of the discovery of the malfunction.
(9VAC5-80-110 and 9VAC5-20-180 C)

- 48. General Conditions - Severability - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9VAC5-80-110)
- 49. General Conditions - Duty to Comply - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9VAC5-80-110)
- 50. General Conditions - Need to Halt or Reduce Activity not a Defense - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9VAC5-80-110)
- 51. General Conditions - Permit Modification - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9VAC80-110, 9VAC5-80-190, and 9VAC5-80-260)
- 52. General Conditions - Property Rights - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9VAC5-80-110)
- 53. General Conditions - Duty to Submit Information - The permittee shall furnish to the DEQ, within a reasonable time, any information that the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to

determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality.

(9VAC5-80-110)

54. General Conditions - Duty to Submit Information - Any document (including reports) required in a permit condition to be submitted to the DEQ shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.

(9VAC5-80-110)

55. General Conditions - Duty to Pay Permit Fees - The owner of any source for which a permit was issued under 9VAC5-80-50 through 9VAC5-80-300 shall pay annual emissions fees, as applicable, consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 and annual maintenance fees, as applicable, consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350.

(9VAC5-80-110, 9VAC5-80-310 et seq., and 9VAC5-80-2310 et seq.)

56. General Conditions - Fugitive Dust Emission Standards - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
- d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
- e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-80-110 and 9VAC5-50-90)

57. General Conditions - Startup, Shutdown, and Malfunction - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the DEQ, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9VAC5-80-110 and 9VAC5-50-20 E)
58. General Conditions - Alternative Operating Scenarios - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.
(9VAC5-80-110)
59. General Conditions - Inspection and Entry Requirements - The permittee shall allow the DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
 - d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
- (9VAC5-80-110)
60. General Conditions - Reopening for Cause - The permit shall be reopened by the DEQ if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to

expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:

- a. The permit shall be reopened if the DEQ or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- b. The permit shall be reopened if the administrator or the DEQ determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The permit shall not be reopened by the DEQ if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

(9VAC5-80-110)

61. General Conditions - Permit Availability - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to the DEQ upon request.
(9VAC5-80-110 and 9VAC5-80-150)

62. General Conditions - Transfer of Permits

- a. No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.
- b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the DEQ of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.
- c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the DEQ of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.

(9VAC5-80-110 and 9VAC5-80-160)

63. General Conditions - Permit Revocation or Termination for Cause - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The DEQ may suspend, under such conditions and for such period of time as the DEQ may

prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9VAC5-80-110, 9VAC5-80-190 C, and 9VAC5-80-260)

64. General Conditions - Duty to Supplement or Correct Application - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9VAC5-80-110 and 9VAC5-80-80 E)
65. General Conditions - Stratospheric Ozone Protection - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(9VAC5-80-110 and 40 CFR Part 82)
66. General Conditions - Asbestos Requirements - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9VAC5-60-70 and 9VAC5-80-110)
67. General Conditions - Accidental Release Prevention - If the permittee has more, or will have more, than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9VAC5-80-110 and 40 CFR Part 68)
68. General Conditions - Changes to Permits for Emissions Trading - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9VAC5-80-110)
69. General Conditions - Emissions Trading - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
 - a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.

- b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
- c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.

(9VAC5-80-110)

State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements and are not subject to the requirements of 9VAC5-80-290 concerning review of proposed limits by the EPA and draft permits by affected states.

- 70. Odor Control - The permitted operations shall be operated in such a manner as to cause no odorous emissions in excess of those resulting from using best available control technology as reflected in any condition of this permit. If the release of odorous emissions is due to a failure to meet any conditions of this permit, the permitted equipment shall automatically be considered to be in violation of 9VAC5 Chapter 50, Article 2, Standards of Performance for Odorous Emissions.
(9VAC5-80-110 and Condition 31 of 11/03/23 Permit)