



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: February 2, 2026

Effective Date: February 2, 2026

Expiration Date: August 31, 2027

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 25-00783C

Federal Tax Id - Plant Code: 46-5418949-1

Owner Information

Name: HAYSITE REINFORCED PLASTICS LLC

Mailing Address: 5599 PERRY HWY
ERIE, PA 16509-3562

Plant Information

Plant: HAYSITE REINFORCED PLASTICS LLC/ERIE

Location: 25 Erie County 25002 Millcreek Township

SIC Code: 3083 Manufacturing - Laminated Plastics, Plate And Sheet

Responsible Official

Name: DAVID JANAS

Title: MANAGING DIRECTOR

Phone: (814) 464 - 7185

Email: David.Janas@isovolta.com

Plan Approval Contact Person

Name: DAVID JANAS

Title: MANAGING DIRECTOR

Phone: (814) 464 - 7185

Email: David.Janas@isovolta.com

[Signature] _____

LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER



Plan Approval Description

The Department hereby authorizes plan approval 25-00783C to Haysite Reinforced Plastics LLC for the construction and initial operation of two reconstructed pultrusion lines and one new pultrusion line at their facility in Millcreek Township, Erie County.



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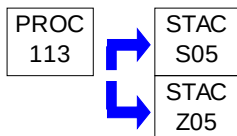
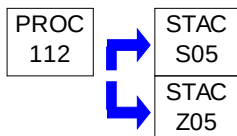
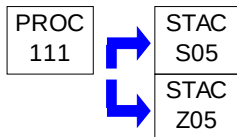
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
111	PULTRUSION LINE 11	N/A	
112	PULTRUSION LINE 12	N/A	
113	PULTRUSION LINE 13	N/A	
S05	#5 ROOF TOP EXHAUST FAN		
Z05	FUGITIVES FROM PULTRUSION LINES		

PERMIT MAPS

**SECTION B. General Plan Approval Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

#013 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) On days which the plant operates, the permittee shall conduct daily inspections of the area surrounding the plant to detect the presence of fugitive emissions, visible emissions, and malodors. A log of these inspections shall be maintained and shall be made available to the Department upon request.
- b) Any fugitive emissions, visible emissions, and/or malodors that are detected by plant personnel shall be reported to the Shift Supervisor. The Shift Supervisor shall record the event on the maintenance log. Appropriate corrective action shall be taken and noted in the maintenance log.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.
- b) The owner or operator of the facility shall generate and maintain records that clearly demonstrate to the Department that the facility is in compliance with all emission limitations. The Department reserves the right to request additional information necessary to determine compliance with the plan approval.
- c) All manually generated log entries used to comply with the recordkeeping requirements of this plan approval shall include the following:
 - 1) Time and date of observation
 - 2) Name, title, and signature of the person making the observation
 - 3) Any corrective action taken as result of the observation
- d) The permittee shall maintain records of all preventative maintenance, repairs, and inspections performed on monitoring equipment, sources, and control devices. These records shall contain the following at a minimum:
 - 1) Time and date of the task
 - 2) Name, title, and initials of the person performing the task
 - 3) A detailed description of any maintenance / inspection / repair performed
 - 4) Any problems or defects found
 - 5) Any corrective action taken as result of the task
- e) The Permittee shall maintain records of resin usage on a monthly basis. (resin containing VOC and/or HAP)
- f) The Permittee shall maintain records of solvent usage on a monthly basis (solvent containing VOC and/or HAP).
- g) The Permittee shall maintain the Safety Data Sheet of each VOC and/or HAP containing resin.
- h) The Permittee shall maintain the Safety Data Sheet of each VOC and/or HAP containing solvent.
- i) All logs and required records may be maintained in electronic format.
- j) The Permittee shall calculate and maintain records of:

**SECTION C. Site Level Plan Approval Requirements**

- 1) Twelve Month Rolling VOC Emissions for Sources 111, 112, 113
- 2) Twelve Month Rolling HAP Emissions for Sources 111, 112, 113

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Malfunction reporting shall be conducted as follows:

(a) The owner or operator shall report each malfunction that occurs at this facility that poses an imminent and substantial danger to the public health and safety or the environment. Malfunction reports are only required by this permit where such malfunctions would affect air emissions from the facility.

For purpose of this condition, a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions include, but are not limited to, large dust plumes, heavy smoke, or a spill or release that may result in an odor detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or the environment, the incident shall be reported by telephone to the County Emergency Management Agency (911 Center), and to the 24-hour DEP Emergency Hotline (800-541-2050) no later than 1 hour after the incident.

(c) All other malfunctions that must be reported under subsection (a) shall be reported to the DEP at the Regional Office listed below no later than the next business day.

Pennsylvania Department of Environmental Protection
Northwest Regional Office
814-332-6945
Office Hours 8 a.m. - 4 p.m.

(d) The report shall describe the:

- (i) Name and location of the facility;
- (ii) Nature and cause of the malfunction or breakdown;
- (iii) Time when the malfunction or breakdown was first observed;
- (iv) Expected duration of excess emissions; and
- (v) Estimated rate of emissions.

(e) The owner or operator shall notify the DEP immediately when containment measures and corrective actions have been completed.

(f) Subsequent to the malfunction, the owner/operator shall submit a full written report to the DEP including the items identified in (d) and including containment measures and corrective actions taken on the malfunction within 15 days of the incident.

(g) Written Malfunction Reports shall be submitted to the DEP electronically via the following web address.

<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall install, maintain, and operate sufficient instrumentation and monitoring equipment in order to comply

**SECTION C. Site Level Plan Approval Requirements**

with the recordkeeping requirements of this plan approval.

VII. ADDITIONAL REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Any information required to be submitted as part of this plan approval should be submitted to the attention of New Source Review Section Chief, Air Quality Program, Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335.
- b) Issuance of an Operating Permit or incorporation of a plan approval into a current Operating Permit is contingent upon satisfactory compliance with the plan approval conditions, upon the source and control device being installed and operated as stated within the application, and upon satisfactory demonstration that the emissions from the source will not be in violation of applicable Rules and Regulations of the Department.
- c) If at any time the Department has reason to believe that the air contaminant emissions are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct such stack tests or source tests requested by the Department to determine the actual air contaminant emission rate. The owner or operator shall perform any such testing in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.
- d) The permittee will perform additional testing via a third party when the Department conducts an inspection of the facility and subsequently determines that additional testing is warranted.
- e) All requirements of the current operating permit (25-00783 issued by the Department on September 22, 2025, Authorization # 1455330) remain in effect, as applicable, unless modified by this plan approval. The conditions of this plan approval supersede the conditions of previous authorizations.
- f) Some monitoring, work practice, and record keeping requirements of this plan approval necessitate the control device/source to be in operation and are therefore applicable only when the control device/source are in operation.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

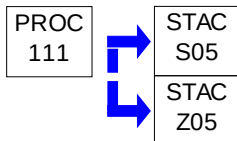
Source ID: 111

Source Name: PULTRUSION LINE 11

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: 40 CFR 63 SUBPART WWWW

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Emissions from PULTRUSION LINE 11 shall not exceed the following:
- (1) 5.0 tons per year of combined HAP emissions based upon a twelve-month rolling total.
 - (2) 5.0 tons per year of VOC emissions based upon a twelve-month rolling total.
 - (3) 0.0089 lbs of HAP per pound of product produced

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

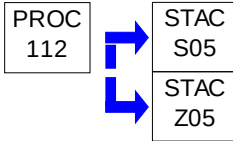
Source ID: 112

Source Name: PULTRUSION LINE 12

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: 40 CFR 63 SUBPART WWWW

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Emissions from PULTRUSION LINE 12 shall not exceed the following:
- (1) 5.0 tons per year of combined HAP emissions based upon a twelve-month rolling total.
 - (2) 5.0 tons per year of VOC emissions based upon a twelve-month rolling total.
 - (3) 0.0089 lbs of HAP per pound of product produced

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

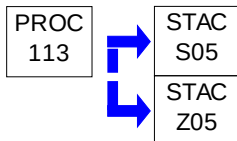
Source ID: 113

Source Name: PULTRUSION LINE 13

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: 40 CFR 63 SUBPART WWWW

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Emissions from PULTRUSION LINE 13 shall not exceed the following:
- (1) 5.0 tons per year of combined HAP emissions based upon a twelve-month rolling total.
 - (2) 5.0 tons per year of VOC emissions based upon a twelve-month rolling total.
 - (3) 0.0089 lbs of HAP per pound of product produced

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: 40 CFR 63 SUBPART WWWW

Group Description: 40 CFR 63 Subpart WWWW Requirements

Sources included in this group

ID	Name
111	PULTRUSION LINE 11
112	PULTRUSION LINE 12
113	PULTRUSION LINE 13

I. RESTRICTIONS.**Emission Restriction(s).**

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 3]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

Organic HAP Emissions Limits for Existing Open Molding Sources, New Open Molding Sources Emitting Less Than 100 T

As specified in § 63.5805, you must meet the following organic HAP emissions limits that apply to you:

[Categories 6.c and 9 for gel-coating and pultrusion are the only applicable categories for operations at Haysite and are printed below; all other non-applicable text and non-applicable categories from Table 3 are omitted from this condition.]

Category 6.c:

If your operation type is open molding -- gel coat and you use all other pigmented gel coating, your organic HAP emissions limit is: 377 lb/ton. (See Notes 1 & 3 below.)

Note 1: Organic HAP emissions limits for open molding and centrifugal casting are expressed as lb/ton. You must be at or below these values based on a 12-month rolling average. [The manual gel-coat application at Haysite is considered 'open molding' under the Definitions of this subpart.]

Note 3: If you only apply gel coat 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.

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Category 9:

If your operation type is pultrusion, your organic HAP emissions limit is: reduce total organic HAP emissions by at least 60 weight percent.

[70 FR 50131, Aug. 25, 2005]

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5805]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What standards must I meet to comply with this subpart?

You must meet the requirements of paragraphs (a) through (h) of this section that apply to you. You may elect to comply using any options to meet the standards described in §§ 63.5810 through 63.5830. Use the procedures in § 63.5799 to determine if you meet or exceed the 100 tpy threshold.

[Subsection 63.5820 does not apply to operations at Haysite; §63.5810 is incorporated into the permit by reference to the regulation. §63.5830 is applicable and is included in this section of Title V permit under WORK PRACTICE REQUIREMENTS; the 100 tpy threshold of paragraphs 63.5805(a) and (e) is not applicable to operations at Haysite.]

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(a) [Paragraph 63.5805(a) is not applicable to operations at Haysite.]

(b) All operations at existing facilities not listed in paragraph (a) of this section must meet the organic HAP emissions limits in Table 3 to this subpart and the work practice standards in Table 4 to this subpart that apply, regardless of the quantity of HAP emitted.

[Table 3 to this subpart is printed under EMISSION RESTRICTIONS in this section of permit.]

[Table 4 to this subpart is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(c) - (f) [Paragraphs 63.5805(c) through (f) are not applicable to operations at Haysite.]

(g) If you have repair operations subject to this subpart as defined in § 63.5785, these repair operations must meet the requirements in Tables 3 and 4 to this subpart and are not required to meet the 95 percent organic HAP emissions reduction requirements in paragraph (a)(1) or (d) of this section.

[63.5785(b) definition of Repair: Repair includes the non-routine manufacture of individual components or parts intended to repair a larger item as defined in § 63.5935.]

[63.5935 definition of Repair: Repair means application of resin or gel coat to a part to correct a defect, where the resin or gel coat application occurs after the part has gone through all the steps of its typical production process, or the application occurs outside the normal production area. For purposes of this subpart, rerouting a part back through the normal production line, or part of the normal production line, is not considered repair.]

(h) [Paragraph 63.5805(h) is not applicable to operations at Haysite.]

[70 FR 50124, Aug. 25, 2005]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 8]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

Initial Compliance With Organic HAP Emissions Limits

[Applicable text from Table 8 of Subpart WWWW is printed here; non-applicable text and non-applicable categories are omitted.]

[Category 1 is applicable to Haysite's manual gel coating application which is considered Open Molding under the 63.5935 definition; and Category 5.a.ii is applicable to Haysite's pultrusion operations. No other categories of Table 8 apply to Haysite's current operations at the time of this permit issuance.]

As specified in § 63.5860(a), you must demonstrate initial compliance with organic HAP emissions limits as specified in the following table:

1. For open molding, that must meet an organic HAP emissions limit shown in Tables 3 or 5 to this subpart, you have demonstrated initial compliance if . . .

i. you have met the appropriate organic HAP emissions limits for these operations as calculated using the

**SECTION E. Source Group Plan Approval Restrictions.**

procedures in § 63.5810 on a 12-month rolling average 1 year after the appropriate compliance date, and/or

ii. you demonstrate that any individual resins or gel coats not included in (i) above, as applied, meet their applicable emission limits, or

iii. [This paragraph iii from category 1 of Table 8 is not applicable to Haysite because there are no values in Table 7 applicable to Haysite.]

2 - 4. [Not applicable to Haysite.]

5. For pultrusion operations, that must reduce total organic HAP emissions by at least 60 percent by weight, you have demonstrated initial compliance if as part of the notification of initial compliance status, the owner/operator submits a certified statement that all pultrusion lines not controlled with an add-on control device, but for which an emission reduction is being claimed, are using direct die injection, and/or wet-area enclosures that meet the criteria of § 63.5830.

[70 FR 50134, Aug. 25, 2005]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5895]

Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

How do I monitor and collect data to demonstrate continuous compliance?

(a) - (b) [Paragraphs 63.5895(a) and (b) are not applicable to Haysite.]

(c) 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 Table 3 to this subpart. 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. [Language in 63.5895(c) containing references to Table 5 and Table 7 have been omitted from this paragraph since neither Table 5 nor Table 7 are applicable to Haysite.]

(d) 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 of this subpart, 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. [References in 63.5895(d) to Table 5 have been omitted from this paragraph since Table 5 is not applicable to Haysite.]

(e) For each of your pultrusion machines, you must record all times that wet area enclosures doors or covers are open and there is resin present in the resin bath.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5900]

Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

How do I demonstrate continuous compliance with the standards?

(a) You must demonstrate continuous compliance with each standard in § 63.5805 that applies to you according to the methods specified in paragraphs (a)(1) through (3) of this section.

(1) [Paragraph 63.5900(a)(1) is not applicable to Haysite.]

(2) 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 this subpart, on a 12-month

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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).

(3) [Paragraph 63.5900(a)(3) is not applicable to Haysite.]

(4) [Paragraph 63.5900(a)(4) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(b) [Paragraph 63.5900(b) is printed under REPORTING REQUIREMENTS in this section of permit.]

(c) [Paragraph 63.5900(c) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005; 71 FR 20466, Apr. 20, 2006; 85 FR 15975, Mar. 20, 2020]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5915]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What records must I keep?

(a) You must keep the records listed in paragraphs (a)(1) through (3) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, 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).

(2) [Reserved]

(3) [Paragraph 63.5915(a)(3) is not applicable to Haysite.]

(b) [Paragraph 63.5915(b) is not applicable to Haysite.]

(c) 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 this subpart. [There are no categories in Tables 5 & 7 applicable to Haysite.]

(d) You must keep a certified statement that you are in compliance with the work practice requirements in Table 4 to this subpart, as applicable. [Table 4 is printed under WORK PRACTICE REQUIREMENTS in this section of the permit.]

(e) [Paragraph 63.5915(e) is not applicable to Haysite.]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50129, Aug. 25, 2005; 85 FR 15977, Mar. 20, 2020]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5920]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

In what form and how long must I keep my records?

(a) You must maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records offsite for the remaining 3 years.

(d) You may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

(e) Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be

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maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[68 FR 19402, Apr. 21, 2003, as amended at 85 FR 15977, Mar. 20, 2020]

V. REPORTING REQUIREMENTS.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWW Table 14]
Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites
Production
Requirements for Reports**

As required in § 63.5910(a), (b), (g), and (h), you must submit reports on the schedule shown in the following table:

(1) You must submit a compliance report semi-annually according to the requirements in § 63.5910(b).

(a) The report must contain a statement that there were no deviations during that reporting period if there were no deviations from any emission limitations (emission limit, operating limit, opacity limit, and visible emission limit) that apply to you and there were no deviations from the requirements for work practice standards in Table 4 to this subpart that apply to you. [Text referring to CMS is not applicable to Haysite and is omitted from this paragraph.]

(b) The report must also contain the information in § 63.5910(d) if you have a deviation from any emission limitation (emission limit, operating limit, or work practice standard) during the reporting period. [Text referring to CMS is not applicable to Haysite and is omitted from this paragraph.]

[85 FR 15978, Mar. 20, 2020]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10]
Subpart A--General Provisions
Recordkeeping and reporting requirements.**

[From § 63.10(d)(5)(ii). This paragraph is referenced by Table 14 to 40 CFR Part 63 Subpart WWW.]

(ii) Immediate startup, shutdown, and malfunction reports. Notwithstanding the allowance to reduce the frequency of reporting for periodic startup, shutdown, and malfunction reports under paragraph (d)(5)(i) of this section, any time an action taken by an owner or operator during a startup or shutdown that caused the source to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph (d)(5)(ii) shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions in conformance with §63.6(e)(1)(i). Notwithstanding the requirements of the previous sentence, after the effective date of an approved permit program in the State in which an affected source is located, the owner or operator may make alternative reporting arrangements, in advance, with the permitting authority in that State. Procedures governing the arrangement of alternative reporting requirements under this paragraph (d)(5)(ii) are specified in §63.9(i).

[Source: 59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003; 69 FR 21752, Apr. 22, 2004; 71 FR 20455, Apr. 20, 2006]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]
Subpart A--General Provisions
Addresses of State air pollution control agencies and EPA Regional Offices.**

(a) All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted to the appropriate Regional Office of the U.S. Environmental Protection Agency indicated in the following table.

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If a request, report, application, submittal, or other communication is required by this part to be submitted electronically via the EPA's CEDRI then such submission satisfies the requirements of this paragraph (a). [Non-Pennsylvania Regions omitted from this permit section.]

Section Chief
U.S. Environmental Protection Agency, Region III
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2029

(b) All information required to be submitted to the Administrator under this part also shall be submitted to the appropriate State agency of any State to which authority has been delegated under section 112(l) of the Act. [Non-applicable text is omitted from this paragraph.]

[Address of State agency for submittals follows.]

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
Office Hours 8 a.m. - 4 p.m.
Phone: 814-332-6940 (business hours)
1-800-541-2050 (after hours)
814-332-6121 (fax)

Spills and other emergencies in the Northwest Region should be reported immediately to DEP by telephone to 814-332-6945 (business hours) or 800-541-2050 (after hours).

(c) If any State requires a submittal that contains all the information required in an application, notification, request, report, statement, or other communication required in this part, an owner or operator may send the appropriate Regional Office of the EPA a copy of that submittal to satisfy the requirements of this part for that communication.

[59 FR 12430, Mar. 16, 1994, as amended at 63 FR 66061, Dec. 1, 1998; 67 FR 4184, Jan. 29, 2002; 68 FR 32601, May 30, 2003; 68 FR 35792, June 17, 2003; 73 FR 24871, May 6, 2008; 75 FR 69532, Nov. 12, 2010; 76 FR 49673, Aug. 11, 2011; 78 FR 37977, June 25, 2013; 84 FR 34069, July 17, 2019; 84 FR 44230, Aug. 23, 2019; 85 FR 73887, Nov. 19, 2020; 89 FR 86748, Oct. 31, 2024]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5860]**Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****How do I demonstrate initial compliance with the standards?**

(a) You demonstrate initial compliance with each organic HAP emissions standard in paragraphs (a) through (h) of § 63.5805 that applies to you by using the procedures shown in Tables 8 and 9 to this subpart. [63.5805(a)-(h) is printed under RESTRICTIONS in this section of the permit. Table 8 is printed under RECORDKEEPING REQUIREMENTS in this section of permit. Table 9 is applicable, but not printed in this permit because it details the Initial Work Practices Reporting Requirement which is a one-time requirement that has already been met.]

(b) [Paragraph 63.5860(b) is not applicable to Haysite.]

[Source: 68 FR 19402, Apr. 21, 2003]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5900]**Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****How do I demonstrate continuous compliance with the standards?**

(a) You must demonstrate continuous compliance with each standard in § 63.5805 that applies to you according to the methods specified in paragraphs (a)(1) through (3) of this section.

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(1) - (3) [Paragraphs 63.5900(a)(1) - (3) are printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

(4) [Paragraph 63.5900(a)(4) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(b) 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.

(c) [Paragraph 63.5900(c) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005; 71 FR 20466, Apr. 20, 2006; 85 FR 15975, Mar. 20, 2020]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5905]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What notifications must I submit and when?

(a) You must submit all of the notifications in Table 13 to this subpart that apply to you by the dates specified in Table 13 to this subpart. The notifications are described more fully in 40 CFR part 63, subpart A, referenced in Table 13 to this subpart. [Table 13 is printed under ADDITIONAL REQUIREMENTS in this section of the permit. Categories 1 and 5 of Table 13 applied to Haysite and are one-time requirements which have been met.]

(b) If you change any information submitted in any notification, you must submit the changes in writing to the Administrator within 15 calendar days after the change.

[Source: 68 FR 19402, Apr. 21, 2003]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5910]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What reports must I submit and when?

(a) You must submit each report in Table 14 to this subpart that applies to you. [Table 14 is printed in a separate REPORTING REQUIREMENTS condition in this section of the permit.]

(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date specified in Table 14 to this subpart and according to paragraphs (b)(1) through (5) of this section.

(1) - (2) [Paragraphs 63.5910(b)(1)-(2) are no longer applicable.]

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

[Refer to Section C of this permit for approved alternate reporting periods of October 1 through March 31 and April 1 through September 30.]

(4) Each subsequent compliance report must be postmarked or delivered no later than the last day of the month following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting requirements pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to § 70.6 (a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must contain the information in paragraphs (c)(1) through (6) of this section:

(1) Company name and address.

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(2) 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.

(3) Date of the report and beginning and ending dates of the reporting period.

(4) [Reserved]

(5) 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 this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.

(6) [Not applicable.]

(d) 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 this subpart, the compliance report must contain the information in paragraphs (c)(1) through (3) of this section and in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of each affected source during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) - (f) [Paragraphs 63.5910(e) and (f) are not applicable to Haysite.]

(g) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 14 to this subpart along with, or as part of, the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit) or work practice requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(h) [Not applicable.]

(i) 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.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005; 85 FR 15975, Mar. 20, 2020]

VI. WORK PRACTICE REQUIREMENTS.**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 4]****Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****Work Practice Standards**

As specified in § 63.5805, you must meet the work practice standards in the following table that apply to you:

1. For a new or existing closed molding operation using compression/injection molding, you must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds for one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

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2. For 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.
3. For a new or existing materials HAP-containing materials storage operation, you must 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.
4. For an existing or new SMC manufacturing operation, you must close or cover the resin delivery system to the doctor box on each SMC manufacturing machine. The doctor box itself may be open.
5. For an existing or new SMC manufacturing operation, you must use a nylon containing film to enclose SMC.
6. For all mixing or BMC manufacturing operations (see Note 1 below), you must use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. Mixers where the emissions are fully captured and routed to a 95 percent efficient control device are exempt from this requirement.
7. For all mixing or BMC manufacturing operations (see Note 1 below), you must close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. Vents routed to a 95 percent efficient control device are exempt from this requirement.
8. For all mixing or BMC manufacturing operations (see Note 1 below), you must keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.
9. [Category 9 of Table 4 of the regulation is not applicable to Haysite.]

Note 1: 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.

[85 FR 15977, Mar. 20, 2020]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5830]**Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****What are my options for meeting the standards for pultrusion operations subject to the 60 weight percent organic HAP emissions reductions requirement?**

You must use one or more of the options in paragraphs (a) through (e) of this section to meet the 60 weight percent organic HAP emissions limit in Table 3 to this subpart, as required in § 63.5805.

(a) [63.5830(a) is not applicable to Haysite.]

(b) Design, install, and operate wet area enclosures and resin drip collection systems on pultrusion machines that meet the criteria in paragraphs (b)(1) through (10) of this section.

(1) The enclosure must cover and enclose the open resin bath and the forming area in which reinforcements are pre-wet or wet-out and moving toward the die(s). The surfaces of the enclosure must be closed except for openings to allow material to enter and exit the enclosure.

(2) For open bath pultrusion machines with a radio frequency pre-heat unit, the enclosure must extend from the beginning of the resin bath to within 12.5 inches or less of the entrance of the radio frequency pre-heat unit. If the stock that is within 12.5 inches or less of the entrance to the radio frequency pre-heat unit has any drip, it must be enclosed. The stock exiting the radio frequency pre-heat unit is not required to be in an enclosure if the stock has no drip between the exit of the radio frequency pre-heat unit to within 0.5 inches of the entrance of the die.

(3) For open bath pultrusion machines without a radio frequency pre-heat unit, the enclosure must extend from the

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beginning of the resin bath to within 0.5 inches or less of the die entrance.

(4) For pultrusion lines with pre-wet area(s) prior to direct die injection, no more than 12.5 inches of open wet stock is permitted between the entrance of the first pre-wet area and the entrance to the die. If the pre-wet stock has any drip, it must be enclosed.

(5) The total open area of the enclosure must not exceed two times the cross sectional area of the puller window(s) and must comply with the requirements in paragraphs (b)(5)(i) through (iii) of this section.

(i) All areas that are open need to be included in the total open area calculation with the exception of access panels, doors, and/or hatches that are part of the enclosure.

(ii) The area that is displaced by entering reinforcement or exiting product is considered open.

(iii) Areas that are covered by brush covers are considered closed.

(6) Open areas for level control devices, monitoring devices, agitation shafts, and fill hoses must have no more than 1.0 inch clearance.

(7) The access panels, doors, and/or hatches that are part of the enclosure must close tightly. Damaged access panels, doors, and/or hatches that do not close tightly must be replaced.

(8) The enclosure may not be removed from the pultrusion line, and access panels, doors, and/or hatches that are part of the enclosure must remain closed whenever resin is in the bath, except for the time period discussed in paragraph (b)(9) of this section.

(9) The maximum length of time the enclosure may be removed from the pultrusion line or the access panels, doors, and/or hatches and may be open, is 30 minutes per 8 hour shift, 45 minutes per 12 hour shift, or 90 minutes per day if the machine is operated for 24 hours in a day. The time restrictions do not apply if the open doors or panels do not cause the limit of two times the puller window area to be exceeded. Facilities may average the times that access panels, doors, and/or hatches are open across all operating lines. In that case the average must not exceed the times shown in this paragraph (b)(9). All lines included in the average must have operated the entire time period being averaged.

(10) No fans, blowers, and/or air lines may be allowed within the enclosure. The enclosure must not be ventilated.

(c) Use direct die injection pultrusion machines with resin drip collection systems that meet all the criteria specified in paragraphs (c)(1) through (3) of this section.

(1) All the resin that is applied to the reinforcement is delivered directly to the die.

(2) No exposed resin is present, except at the face of the die.

(3) Resin drip is captured in a closed system and recycled back to the process.

(d) Use a preform injection system that meets the definition in § 63.5935

(e) Use any combination of options in paragraphs (a) through (d) of this section in which different pultrusion lines comply with different options described in paragraphs (a) through (d) of this section, and

(1) Each individual pultrusion machine meets the 60 percent reduction requirement, or

(2) The weighted average reduction based on resin throughput of all machines combined is 60 percent. For purposes of the average percent reduction calculation, wet area enclosures reduce organic HAP emissions by 60 percent, and direct die injection and preform injection reduce organic HAP emissions by 90 percent.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50127, Aug. 25, 2005]

**SECTION E. Source Group Plan Approval Restrictions.****# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5835]****Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****What are my general requirements for complying with this subpart?**

(a) You must be in compliance at all times with the work practice standards in Table 4 to this subpart, as well as the organic HAP emissions limits in Table 3 to this subpart, as applicable. [Non-applicable text referring to Tables 5 and 7, which do not apply to Haysite, are omitted from this paragraph.] [Applicable categories 6.c and 9 from Table 3 are printed under RESTRICTIONS in this section of permit.]

(b) [63.5835(b) is not applicable to Haysite.]

(c) You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in § 63.6(e)(1)(i). [Paragraph 63.6(e)(1)(i) is printed in this section of permit.]

[68 FR 19402, Apr. 21, 2003, as amended at 71 FR 20466, Apr. 20, 2006; 85 FR 15975, Mar. 20, 2020]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5900]**Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****How do I demonstrate continuous compliance with the standards?**

(a) You must demonstrate continuous compliance with each standard in § 63.5805 that applies to you according to the methods specified in paragraphs (a)(1) through (3) of this section.

(1) - (3) [Paragraphs 63.5900(a)(1) - (3) are printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

(4) Compliance with the work practice standards in Table 4 to this subpart is demonstrated by performing the work practice required for your operation.

(b) [Paragraph 63.5900(b) is printed under REPORTING REQUIREMENTS in this section of permit.]

(c) You must meet the organic HAP emissions limits and work practice standards that apply to you at all times.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50128, Aug. 25, 2005; 71 FR 20466, Apr. 20, 2006; 85 FR 15975, Mar. 20, 2020]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]**Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

[As referenced by 63.5835(c) in this section of permit, §63.6(e)(1)(i) is printed here. §63.6(e)(1)(ii)-(iii) are also printed here as referenced by 63.5900(e).]

(e) Operation and maintenance requirements.

(1)(i) At all times, including periods of startup, shutdown, and malfunction, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the owner or operator reduce emissions from the affected source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner or operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in paragraph (e)(3) of this section), review of operation and maintenance records, and inspection of the source.

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(ii) Malfunctions must be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, an owner or operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices.

(iii) Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

[59 FR 12430, Mar. 16, 1994, as amended at 67 FR 16599, Apr. 5, 2002; 68 FR 32600, May 30, 2003; 71 FR 20454, Apr. 20, 2006]

VII. ADDITIONAL REQUIREMENTS.**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 1]****Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****Equations to Calculate Organic HAP Emissions Factors for Specific Open Molding and Centrifugal Casting Process Streams**

[Category 1.a.i for "Open Molding Operation -- Manual Resin Application -- nonvapor-suppressed resin" is the only category in Table 1 applicable to any operations at Haysite and is printed here. All other non-applicable categories are omitted from this condition.]

Table 1 to Subpart WWWW of Part 63 – Equations to Calculate Organic HAP Emissions Factors for Specific Open Molding and Centrifugal Casting Process Stream (See NOTE 1)

As specified in §63.5810, use the equations in the following table to calculate organic HAP emissions factors for specific open molding and centrifugal casting process streams:

If your operation type is a new or existing 'Open Molding Operation' and you use 'Manual Resin Application' with 'nonvapor-suppressed resin',

(A) Use this organic HAP Emissions Factor (EF) Equation for materials with less than 33 percent organic HAP (19 percent organic HAP for non-atomized gel coat) (See NOTES 2, 3, 4):

$$EF = 0.126 \times \%HAP \times 2000$$

(B) Use this organic HAP Emissions Factor (EF) Equation for materials with 33 percent or more organic HAP (19 percent for non-atomized gel coat) (See NOTE 2, 3, 4):

$$EF = ((0.126 \times \%HAP) - 0.0529) \times 2000$$

Footnotes to Table 1

NOTE 1: The equations in this table are intended for use in calculating emission factors to demonstrate compliance with the emission limits in subpart WWWW. These equations may not be the most appropriate method to calculate emission estimates for other purposes. However, this does not preclude a facility from using the equations in this table to calculate emission factors for purposes other than rule compliance if these equations are the most accurate available.

NOTE 2: To obtain the organic HAP emissions factor value for an operation with an add-on control device, multiply the EF above by the add-on control factor calculated using Equation 1 of §63.5810. The organic HAP emissions factors have units of lbs. of organic HAP per ton of resin or gel coat applied.

NOTE 3: Percent HAP means total weight percent of organic HAP (styrene, methyl methacrylate, and any other organic HAP) in the resin or gel coat prior to the addition of fillers, catalyst, and promoters. Input the percent HAP as a decimal, i.e., 33 percent HAP should be input as 0.33, not 33.

NOTE 4: The VSE factor means the percent reduction in organic HAP emissions expressed as a decimal measured by the VSE test method of appendix A to this subpart.

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[Source: 70 FR 50129, Aug. 26, 2005] [Complete Table 1 is available at this web address: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWW#Table-1-to-Subpart-WWWW-of-Part-63>]

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 13]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

Applicability and Timing of Notifications

[Table 13 to Subpart WWWW of Part 63 contains one-time requirements which have already been met as documented here. Categories 1 and 5 apply. Categories 2, 4, and 6 do not apply to Haysite.]

1. This requirement was met with Haysite's July 30, 2003, submittal of the Initial Notification for which a copy is on file in PA DEP NWRO file AQ/Facilities/Case/25-000-00783.

5. This requirement was met with Haysite's August 16, 2013, submittal of the Notification of Compliance Status for which a copy is on file in PA DEP NWRO file AQ/Facilities/Case/25-000-00783.]

[Source: 68 FR 19402, Apr. 21, 2003]

**# 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 15]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

Applicability of General Provisions (Subpart A) to Subpart WWWW of Part 63

[Refer to regulation for 40 CFR Part 63 Subpart WWWW Table 15 -- Applicability of General Provisions (Subpart A) to Subpart WWWW of Part 63, available at the following web address: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWW#Table-15-to-Subpart-WWWW-of-Part-63>]

**# 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart WWWW Table 2]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

Compliance Dates for New and Existing Reinforced Plastic Composites Facilities

As required in §§ 63.5800 and 63.5840 you must demonstrate compliance with the standards by the dates in the following table:

[Text from applicable categories of Table 2 are printed below. Non-applicable categories and non-applicable text of Table 2 are omitted.]

1. If your facility is an existing source and is a major source on or before the publication date of this subpart, then you must comply by April 21, 2006.

2. [Category 2 is not applicable to Haysite.]

3. If your facility is an existing source, and emits less than 100 tpy of organic HAP from the combination of all centrifugal casting and continuous lamination/casting operations at the time of initial compliance with this subpart, and subsequently increases its actual organic HAP emissions to 100 tpy or more from these operations, which requires that the facility must now comply with the standards in § 63.5805(b); then you must comply by 3 years of the date your semi-annual compliance report indicates your facility meets or exceeds the 100 tpy threshold.

4 - 6. [Categories 4 through 6 are not applicable to Haysite.]

[68 FR 19402, Apr. 21, 2003, as amended at 85 FR 73910, Nov. 19, 2020]

**# 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5790]
Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production**

What parts of my plant does this subpart cover?

(a) This subpart applies to each new or existing affected source at reinforced plastic composites production facilities.

(b) The affected source consists of all parts of your facility engaged in the following operations: Open molding, closed

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molding, centrifugal casting, continuous lamination, continuous casting, polymer casting, pultrusion, sheet molding compound (SMC) manufacturing, bulk molding compound (BMC) manufacturing, mixing, cleaning of equipment used in reinforced plastic composites manufacture, HAP-containing materials storage, and repair operations on parts you also manufacture.

(c) The following operations are specifically excluded from any requirements in this subpart: application of mold sealing and release agents; mold stripping and cleaning; repair of parts that you did not manufacture, including non-routine manufacturing of parts; personal activities that are not part of the manufacturing operations (such as hobby shops on military bases); prepreg materials as defined in § 63.5935; non-gel coat surface coatings; application of putties, polyputties, and adhesives; repair or production materials that do not contain resin or gel coat; research and development operations as defined in section 112(c)(7) of the CAA; polymer casting; and closed molding operations (except for compression/injection molding). Note that the exclusion of certain operations from any requirements applies only to operations specifically listed in this paragraph. The requirements for any co-located operations still apply.

(d) Production resins that must meet military specifications are allowed to meet the organic HAP limit contained in that specification. In order for this exemption to be used, you must supply to the permitting authority the specifications certified as accurate by the military procurement officer, and those specifications must state a requirement for a specific resin, or a specific resin HAP content. Production resins for which this exemption is used must be applied with nonatomizing resin application equipment unless you can demonstrate this is infeasible. You must keep a record of the resins for which you are using this exemption.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50124, Aug. 25, 2005]

025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5796]**Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****What are the organic HAP emissions factor equations in Table 1 to this subpart, and how are they used in this subpart?**

Emissions factors are used in this subpart to determine compliance with certain organic HAP emissions limits in Tables 3 and 5 to this subpart. You may use the equations in Table 1 to this subpart to calculate your emissions factors. Equations are available for each open molding operation and centrifugal casting operation and have units of pounds of organic HAP emitted per ton (lb/ton) of resin or gel coat applied. These equations are intended to provide a method for you to demonstrate compliance without the need to conduct for a HAP emissions test. In lieu of these equations, you can elect to use site-specific organic HAP emissions factors to demonstrate compliance provided your site-specific organic HAP emissions factors are incorporated in the facility's air emissions permit and are based on actual facility HAP emissions test data. You may also use the organic HAP emissions factors calculated using the equations in Table 1 to this subpart, combined with resin and gel coat use data, to calculate your organic HAP emissions.

[Refer to regulation for Table 1 of this subpart. The categories from Table 3 applicable to Haysite are printed under RESTRICTIONS in this section of permit. Table 5 has no categories applicable to Haysite.]

[Source: 68 FR 19402, Apr. 21, 2003]

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5797]**Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****How do I determine the organic HAP content of my resins and gel coats?**

In order to determine the organic HAP content of resins and gel coats, you may rely on 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 section, 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

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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.

[Source: 68 FR 19402, Apr. 21, 2003]

027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5799]**Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****How do I calculate my facility's organic HAP emissions on a tpy basis for purposes of determining which paragraphs of §63.5805 apply?**

To calculate your facility's organic HAP emissions in tpy for purposes of determining which paragraphs in § 63.5805 apply to you, you must use the procedures in either paragraph (a) of this section for new facilities prior to startup, or paragraph (b) of this section for existing facilities and new facilities after startup.

You are not required to calculate or report emissions under this section if you are an existing facility that does not have centrifugal casting or continuous lamination/casting operations, or a new facility that does not have any of the following operations: Open molding, centrifugal casting, continuous lamination/casting, pultrusion, SMC and BMC manufacturing, and mixing.

Emissions calculation and emission reporting procedures in other sections of this subpart still apply.

[Remaining text of this Introductory paragraph of 63.5799 is omitted from this Title V permit because it is not applicable to Haysite.]

(a) [63.5799(a) is not applicable to Haysite.]

(b) For existing facilities and new facilities after startup, you may use the procedures in either paragraph (b)(1) or (2) of this section. If the emission factors for an existing facility have changed over the period of time prior to their initial compliance date due to incorporation of pollution-prevention control techniques, existing facilities may base the average emission factor on their operations as they exist on the compliance date. If an existing facility has accepted an enforceable permit limit that would result in less than 100 tpy of HAP measured prior to any add-on controls, and can demonstrate that they will operate at that level subsequent to the compliance date, they can be deemed to be below the 100 tpy threshold.

(1) Use 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 this subpart, or you may use any organic HAP emissions factor approved by us, such as factors from AP-42, or site-specific organic HAP emissions factors if they are supported by HAP emissions test data. [Refer to regulation 40 CFR Part 63 Subpart WWW for Table 1.]

(2) [63.5799(b)(2) is not applicable to Haysite.]

(c) [63.5799(c) is not applicable to Haysite.]

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50124, Aug. 25, 2005]

028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5800]**Subpart WWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****When do I have to comply with this subpart?**

You must comply with the standards in this subpart by the dates specified in Table 2 to this subpart. Facilities meeting an organic HAP emissions standard based on a 12-month rolling average must begin collecting data on the compliance date in order to demonstrate compliance. [Table 2 is printed in this section of permit under ADDITIONAL REQUIREMENTS.]

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[Source: 68 FR 19402, Apr. 21, 2003]

029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5810]**Subpart WWWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production****What are my options for meeting the standards for open molding and centrifugal casting operations at new and existing sources?**

You must use one of the following methods in paragraphs (a) through (d) of this section to meet the standards for open molding or centrifugal casting operations in Table 3 or 5 to this subpart. 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 Table 3 or 5 to this subpart. The necessary calculations must be completed within 30 days after the end of each month. You may switch between the compliance options in paragraphs (a) through (d) of this section. 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, unless you were previously using an option that did not require you to maintain records of resin and gel coat use. In this case, you must immediately begin collecting resin and gel coat use data and demonstrate compliance 12 months after changing options.

(a) Demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit in Table 3 or 5 to this subpart.

(1) 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 operations 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 this subpart for open molding and for centrifugal casting, or site-specific organic HAP emissions factors discussed in §63.5796. The emission factor calculation should include any and all emission reduction techniques used including any add-on controls. If you are using vapor suppressants to reduce HAP emissions, you must determine the vapor suppressant effectiveness (VSE) by conducting testing according to the procedures specified in appendix A to subpart WWWWW of 40 CFR part 63. If you are using an add-on control device to reduce HAP emissions, you must determine the add-on control factor by conducting capture and control efficiency testing using the procedures specified in §63.5850. The organic HAP emissions factor calculated from the equations in Table 1 to this subpart, or a site-specific emissions factor, is multiplied by the add-on control factor to calculate the organic HAP emissions factor after control. Use Equation 1 of this section to calculate the add-on control factor used in the organic HAP emissions factor equations.

[Refer to eCFR for formula: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWWW#63.5810>]

Where:

Percent Control Efficiency = a value calculated from organic HAP emissions test measurements made according to the requirements of §63.5850 to this subpart.

(2) If the calculated emission factor is less than or equal to the appropriate emission limit, you have demonstrated that this process stream complies with the emission limit in Table 3 to this subpart. It is not necessary that all your process streams, considered individually, demonstrate compliance to use this option for some process streams. However, for any individual resin or gel coat you use, if any of the process streams that include that resin or gel coat are to be used in any averaging calculations described in paragraphs (b) through (d) of this section, then all process streams using that individual resin or gel coat must be included in the averaging calculations.

(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 this subpart that applies to you.

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(1) (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 this subpart 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)(1) 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 Equation 2 of this section.

[Refer to eCFR for formula: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWW#63.5810>]

Where:

Actual Process Stream EFi = actual organic HAP emissions factor for process stream i, lbs/ton;

Materiali = 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.

(ii) You may, but are not required to, include process streams where you have demonstrated compliance as described in paragraph (a) of this section, subject to the limitations described in paragraph (a)(2) of this section, and you are not required to and should not include process streams for which you will demonstrate compliance using the procedures in paragraph (d) of this section.

(2) Compare each organic HAP emissions factor calculated in paragraph (b)(1) of this section with its corresponding organic HAP emissions limit in Table 3 or 5 to this subpart. If all emissions factors are equal to or less than their corresponding emission limits, then you are in compliance.

(c) Demonstrate compliance with a weighted average emission limit. Demonstrate each month that you meet each weighted average of the organic HAP emissions limits in Table 3 or 5 to this subpart that apply to you. When using this option, you must demonstrate compliance with the weighted average organic HAP emissions limit for all your open molding operations, and then separately demonstrate compliance with the weighted average organic HAP emissions limit for all your centrifugal casting operations. Open molding operations and centrifugal casting operations may not be averaged with each other.

(1) Each month calculate the weighted average organic HAP emissions limit for all open molding operations and the weighted average organic HAP emissions limit for all centrifugal casting operations for your facility for the last 12-month period to determine the organic HAP emissions limit you must meet. To do this, multiply the individual organic HAP emissions limits in Table 3 or 5 to this subpart for each open molding (centrifugal casting) operation type by the amount of neat resin plus or neat gel coat plus used in the last 12 months for each open molding (centrifugal casting) operation type, sum these results, and then divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding (centrifugal casting) over the last 12 months as shown in Equation 3 of this section.

[Refer to eCFR for formula: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWW#63.5810>]

Where:

ELi = organic HAP emissions limit for operation type i, lbs/ton from Tables 3 or 5 to this subpart;

Materiali = neat resin plus or neat gel coat plus used during the last 12-month period for operation type i, tons;

n = number of operations.

(2) Each month calculate your weighted average organic HAP emissions factor for open molding and centrifugal casting. To do this, multiply your actual open molding (centrifugal casting) operation organic HAP emissions factors calculated in paragraph (b)(1) of this section and the amount of neat resin plus and neat gel coat plus used in each open molding (centrifugal casting) operation type, sum the results, and divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding (centrifugal casting) operations as shown in Equation 4 of this section.

[Refer to eCFR for formula: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-WWWW#63.5810>]

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Where:

Actual Individual EFi = Actual organic HAP emissions factor for operation type i, lbs/ton;

Material_i = neat resin plus or neat gel coat plus used during the last 12 calendar months for operation type i, tons;

n = number of operations.

(3) Compare the values calculated in paragraphs (c)(1) and (2) of this section. If each 12-month rolling average organic HAP emissions factor is less than or equal to the corresponding 12-month rolling average organic HAP emissions limit, then you are in compliance.

(d) Meet the organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion-resistant, corrosion-resistant and/or high strength, and tooling.

(1) For any combination of manual resin application, mechanical resin application, filament application, or centrifugal casting, you may elect to meet the organic HAP emissions limit for any one of these application methods and use the same resin in all of the resin application methods listed in this paragraph (d)(1). Table 7 to this subpart presents the possible combinations based on a facility selecting the application process that results in the highest allowable organic HAP content resin. If the resin organic HAP content is below the applicable value shown in Table 7 to this subpart, the resin is in compliance.

(2) You may also use a weighted average organic HAP content for each application method described in paragraph (d)(1) of this section. Calculate the weighted average organic HAP content monthly. Use Equation 2 in paragraph (b)(1) of this section except substitute organic HAP content for organic HAP emissions factor. You are in compliance if the weighted average organic HAP content based on the last 12 months of resin use is less than or equal to the applicable organic HAP contents in Table 7 to this subpart.

(3) You may simultaneously use the averaging provisions in paragraph (b) or (c) of this section to demonstrate compliance for any operations and/or resins you do not include in your compliance demonstrations in paragraphs (d)(1) and (2) of this section. However, any resins for which you claim compliance under the option in paragraphs (d)(1) and (2) of this section may not be included in any of the averaging calculations described in paragraph (b) or (c) of this section.

(4) You do not have to keep records of resin use for any of the individual resins where you demonstrate compliance under the option in paragraph (d)(1) of this section unless you elect to include that resin in the averaging calculations described in paragraph (d)(2) of this section.

[70 FR 50125, Aug. 25, 2005]

030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5925]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What parts of the General Provisions apply to me?

Table 15 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.5935]

Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

What definitions apply to this subpart?

[Selected definitions are printed below. Refer to regulations 40 CFR §63.2 and 40 CFR §63.5935 for remaining definitions applicable to Subpart WWWW.]

'Gel Coat' means a quick-setting resin used to improve surface appearance and/or performance of composites. It can be used to form the surface layer of any composites other than those used for molds in tooling operations.

'Gel coat application' means a process where either clear production, pigmented production, white/off-white or tooling gel coat is applied.

'Manual resin application' means an open molding process for fabricating composites in which composite materials are applied to the mold by pouring or by using hands and nonmechanical tools, such as brushes and rollers. Materials are

**SECTION E. Source Group Plan Approval Restrictions.**

rolled out or worked by using nonmechanical tools prior to curing. The use of pressure-fed rollers and flow coaters to apply resin is not considered manual resin application.

'Mechanical resin application' means an open molding process for fabricating composites in which composite materials (except gel coat) are applied to the mold by using mechanical tools such as spray guns, pressure-fed rollers, and flow coaters. Materials are rolled out or worked by using nonmechanical tools prior to curing.

'Mixing' means the blending or agitation of any HAP-containing materials in vessels that are 5.00 gallons (18.9 liters) or larger, and includes the mixing of putties or polyputties. Mixing may involve the blending of resin, gel coat, filler, reinforcement, pigments, catalysts, monomers, and any other additives.

'Open molding' means a process for fabricating composites in a way that HAP-containing materials are exposed to the atmosphere. Open molding includes processes such as manual resin application, mechanical resin application, filament application, and gel coat application. Open molding also includes application of resins and gel coats to parts that have been removed from the open mold.

'Repair' means application of resin or gel coat to a part to correct a defect, where the resin or gel coat application occurs after the part has gone through all the steps of its typical production process, or the application occurs outside the normal production area. For purposes of this subpart, rerouting a part back through the normal production line, or part of the normal production line, is not considered repair.

[68 FR 19402, Apr. 21, 2003, as amended at 70 FR 50129, Aug. 25, 2005; 85 FR 15977, Mar. 20, 2020]

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
111	PULTRUSION LINE 11		
Emission Limit			Pollutant
0.009	Lbs/Lbs	Per Pound of Product	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	VOC
112	PULTRUSION LINE 12		
Emission Limit			Pollutant
0.009	Lbs/Lbs	Per Pound of Product	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	VOC
113	PULTRUSION LINE 13		
Emission Limit			Pollutant
0.009	Lbs/Lbs	Per Pound of Product	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	Hazardous Air Pollutants
5.000	Tons/Yr	Twelve-Month Rolling Total	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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SECTION H. Miscellaneous.



***** End of Report *****
