# Midnight Express Powerboats, Inc.

Midnight Express Powerboats, Inc.

Facility ID No. 0251388
Miami-Dade County

## Title V Air Operation Permit Revision

**Permit No. 0251388-008-AV**
(1st Revision of Title V Air Operation Permit No. 0251388-006-AV)

**Permitting & Compliance Authority**:
Miami-Dade County
Department of Regulatory and Economic Resources
Division of Environmental Resources Management
Air Quality Management
701 N.W. 1st Court
Second Floor
Miami, Florida 33136

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# Title V Air Operation Permit Revision

Permit No. 0251388-006-AV

## Table of Contents

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**PERMITTEE:**
Midnight Express Powerboats, Inc.
351 NE 185 Street
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Permit No. 0251388-008-AV
Midnight Express Powerboats, Inc.
Facility ID No. 0251388
Title V Air Operation Permit Revision

The purpose of this permit is to revise the Title V air operation permit for the above referenced facility. The existing Midnight Express Powerboats, Inc. facility is located in Miami-Dade County at 351 NE 185 Street, Miami. UTM Coordinates are Zone 17, 580.69 km East and 2869.84 km North. Latitude is: 25° 56'42" North; and, Longitude is: 80° 11' 39" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0251388-008-AV Effective Date: Month day, 2025
Renewal Application Due Date: February 11, 2028
Expiration Date: September 23, 2028

*Draft*

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Susana Palomino, P.E., Chief Date
Air Quality Management Division
Division of Environmental Resources Management
Department of Regulatory & Economic Resources
Miami-Dade County

SP/ar

## Subsection A. Facility Description.

Midnight Express Powerboats, Inc. manufactures fiberglass boats. ~~Boat~~ ~~m~~Manufacturing operations include~~s~~ mold maintenance, gelcoat application, lamination (polyester resin application), infusion, parts extraction, parts cutting & grinding, parts inspection, assembly, test, final finish, inspection, and delivery. Boat manufacturing is done using contact open molding and infusion processes. After the mold is prepared, the gelcoat is applied to the mold, which is then followed by either the contact open molding process of laying fiberglass and polyester resin, or the infusion process of laying fiberglass and polyester resin. ~~Contact open molding process is used on small parts, like hatches, seats, and consoles. The infusion process is used on the hull and deck of the boat. The facility also conducts spray painting operations, and manufactures boats with the following sizes: 34, 37, 39, 43, and 60 feet.~~ In the contact open molding process, after the gelcoat is applied onto the mold, layers of fiberglass and polyester resin are applied together with a catalyst, allowed to cure, and then pulled once cured. This process is used on small parts, like hatches, seats, and consoles. In the infusion process, after the gelcoat is applied, a few layers of fiberglass and polyester resin are applied together with a catalyst, then foam core, and the entire part is placed in an airtight bag. The part is freed of air, resin is infused into the part, allowed to cure, and then pulled once cured. The infusion process is used on the hull and deck of the boat. The facility also conducts spray painting operations, and manufactures boats with the following sizes: 34, 37, 39, 43, and 60 feet.

## Subsection B. Summary of Emissions Unit.

| EU No. | Brief Description |
|---|---|
| *Regulated Emissions Units* | |
| 001 | Fiberglass Boat Manufacturing |
| 002 | Spray Painting of Fiberglass Boats with ~~One~~ Two (~~1~~2) Paint Spray Booth~~s~~ |

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

## Subsection C. Applicable Regulations.

Based on the Title V air operation permit revision application received January 27, 2025, this facility is a major source of hazardous air pollutants (HAP). The existing facility is not a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

| Regulation | EU No(s). |
|---|---|
| *Federal Rule Citations* | |
| 40 CFR 63, Subpart A – NESHAP General Provisions | 001 |
| 40 CFR 63, Subpart VVVV – NESHAP for Boat Manufacturing | 001 |
| *State Rule Citations* | |
| State Rule Citations – 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, 62-297 | 001 & 002 |
| *Local Rule Citations* | |
| Chapter 24 – Code of Miami-Dade County | 001 & 002 |

Table of Contents

**The following conditions apply facility-wide to all emission units and activities:**

**FW1.** Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

**Emissions and Controls**

**FW2.** **Not federally Enforceable.** Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

**FW3.** General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department.
[Rule 62-296.320(1), F.A.C.]

**FW4.** General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b), F.A.C.]

**FW5.** Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c), F.A.C.]

**Reports and Fees**

See Appendix RR, Facility-wide Reporting Requirements for additional details.

**FW6.** Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial

hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, Post Office Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

*{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}*

*{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed.* ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

**FW7.** Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit and to the US. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. (See also Appendix RR, Conditions RR1 and RR7.
[Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303
Attn: Air Enforcement Branch

**FW8.** Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: https://www.epa.gov/rmp. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

**FW9.** Semi-Annual Reports. The permittee shall monitor compliance with the terms and conditions of this permit and shall submit reports at least every six months to the compliance office. Each semi-annual report shall cover the 6-month periods of January 1 – June 30 and July 1 – December 31. The reports shall be submitted by the 60th day following the end of each calendar half (i.e., March 1st and August 29th of

every year). All instances of deviations from permit requirements (including conditions in the referenced Appendices) must be clearly identified in such reports, including reference to the specific requirement and the duration of such deviation. If there are no deviations during the reporting period, the report shall so indicate. Any semi-annual reporting requirements contained in applicable federal NSPS or NESHAP requirements may be submitted as part of this report. The submittal dates specified above shall replace the submittal dates specified in the federal rules. All additional reports submitted as part of this report should be clearly identified according to the specific federal requirement. All reports shall include a certification by a responsible official, pursuant to subsection 62-213.420(4), F.A.C. (See also Conditions RR2. – RR4. of Appendix RR, Facility-wide Reporting Requirements, for additional reporting requirements related to deviations.)
[Rule 62-213.440(1)(b)3.a., F.A.C.; and, 40 CFR 60.19(d), 40 CFR 61.10(h) & 40 CFR 63.10(a)(5)]

*{Permitting Note: EPA has clarified that, pursuant to 40 CFR 70.6(a)(3), the word "monitoring" is used in a broad sense and means monitoring (i.e., paying attention to) the compliance of the source with all emissions limitations, standards, and work practices specified in the permit.}*

**Other Requirements**

**FW10.** The permittee shall submit all compliance related notifications and reports required of this permit to the Regulatory and Economic Resources (RER) at the following address:

Miami-Dade County
Regulatory and Economic Resources
Air Quality Management
701 NW 1 Court, Suite 400
Miami, Florida 33136-3912

Table of Contents

## Subsection A. Fiberglass Boat Manufacturing (EU 001)

**The specific conditions in this section apply to the following emissions unit:**

| EU No. | Brief Description |
|---|---|
| 001 | **Fiberglass Boat Manufacturing** |

Fiberglass boat manufacturing that includes mold maintenance, gelcoat application, lamination (polyester resin application), infusion, parts extraction, parts cutting & grinding, parts inspection, assembly, test, final finish, inspection, and delivery. Boat manufacturing is done using contact open molding and infusion processes. After the mold is prepared, the gelcoat is applied to the mold, which is then followed by either the contact open molding process of laying fiberglass and polyester resin, or the infusion process of laying fiberglass and polyester resin.
In the contact open molding process, after the gelcoat is applied onto the mold, layers of fiberglass and polyester resin are applied together with a catalyst, allowed to cure, and then pulled once cured. This process is used on small parts, like hatches, seats, and consoles. In the infusion process, after the gelcoat is applied, a few layers of fiberglass and polyester resin are applied together with a catalyst, then foam core, and the entire part is placed in an airtight bag. The part is freed of air, resin is infused into the part, allowed to cure, and then pulled once cured. The infusion process is used on the hull and deck of the boat.

### GENERAL

**A.1.** Rule Applicability: This emissions unit is subject to the applicable standards contained in 40 CFR 63 Subpart VVVV – National Emissions Standards for Hazardous Air Pollutants for Boat Manufacturing, and 40 CFR 63 Subpart A – General Provisions since the facility meets both of the criteria listed below:
(a) The permittee is the owner or operator of a boat manufacturing facility that builds fiberglass boats.
(b) The permittee's boat manufacturing facility is a major source of HAP.
[40 CFR 63.5683(a)(1) & (2); and, Permit No. 0251388-005-AC]

**A.2.** Facility Operations Covered by 40 CFR 63 Subpart VVVV: The affected source (the portion of the permittee's boat manufacturing facility covered by 40 CFR 63 Subpart VVVV) is the combination of all of the boat manufacturing operations listed in paragraphs (a) through (e) of 40 CFR 63.5689:
(a) Open molding resin and gel coat operations (including pigmented gel coat, clear gel coat, production resin, tooling gel coat, and tooling resin).
(b) Closed molding resin operations.
(c) Resin and gel coat mixing operations.
(d) Resin and gel coat application equipment cleaning operations.
(e) Carpet and fabric adhesive operations.
[40 CFR 63.5689(a)-(e); and, Permit No. 0251388-005-AC]

**A.3.** Compliance Date: The permittee shall comply with all the applicable standards of 40 CFR 63 Subpart VVVV and 40 CFR 63 Subpart A.
[40 CFR 63.5692, 63.5695, 63.5773; and, Permit No. 0251388-005-AC]

**A.4.** Permit Requirement: Pursuant to Rule 62-210.300(1), F.A.C., the permittee shall apply for and obtain an Air Construction Permit prior to the installation of any control device to control emissions from boat manufacturing operations.
[Rule 62-210.300(1), F.A.C.; and, Permit No. 0251388-005-AC]

### Essential Potential to Emit (PTE) Parameters

**A.5.** Hours of Operation: This emissions unit may operate continuously without restriction.
[Rule 62-210.200(PTE), F.A.C.; and, Permit No. 0251388-005-AC]

**Control Technology**

**A.6.** Options for complying with the open molding emissions limit: The permittee must use one or more of the options listed in paragraphs (a) through (c) of 40 CFR 63.5701 to meet the emissions limit in 40 CFR 63.5698 for the resins and gel coats used in open molding operations at the facility.

(a) *Maximum achievable control technology (MACT) model point value averaging (emissions averaging) option.*
1. Demonstrate that emissions from the open molding resin and gel coat operations that the permittee averages meet the emission limit in 40 CFR 63.5698 using the procedures described in 40 CFR 63.5710. Compliance with this option is based on a 12-month rolling average.
2. Those operations and materials not included in the emissions average must comply with either paragraph (b) or (c) of 40 CFR 63.5701.

(b) *Compliant materials option.* Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2 to 40 CFR 63 Subpart VVVV. Compliance with this option is based on a 12-month rolling average.

(c) *Add-on control option*. Use an enclosure and add-on control device, and demonstrate that the resulting emissions meet the emission limit in 40 CFR 63.5698. Compliance with this option is based on control device performance testing and control device monitoring.

[40 CFR 63.5701; and, Permit No. 0251388-005-AC]

**Emission Limitations and Standards**

**A.7.** Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.; and, Permit No. 0251388-005-AC]

**A.8.** Emissions Limit for Open Molding Resin and Gel Coat Operations:

(a) The permittee must limit organic HAP emissions from the five open molding operations listed in paragraphs (1) through (5) of 40 CFR 63.5698 to the emission limit specified in paragraph (b) of 40 CFR 63.5698. Operations listed in paragraph (d) are exempt from this limit.
(1) Production resin.
(2) Pigmented gel coat.
(3) Clear gel coat.
(4) Tooling resin.
(5) Tooling gel coat.

(b) The permittee must limit organic HAP emissions from open molding operations to the limit specified by equation 1 of 40 CFR 63.5698, based on a 12-month rolling average.

$$\text{HAP Limit} = [46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})] \quad \text{(Eq. 1)}$$

Where:

HAP Limit = total allowable organic HAP that can be emitted from the open molding operations, kilograms.

$M_R$ = mass of production resin used in the past 12 months, excluding any materials exempt under paragraph (d) of 40 CFR 63.5698, megagrams.

$M_{PG}$ = mass of pigmented gel coat used in the past 12 months, excluding any materials exempt under item (d) of 40 CFR 63.5698, megagrams.

$M_{CG}$ = mass of clear gel coat used in the past 12 months, excluding any materials exempt under item (d) of 40 CFR 63.5698, megagrams.

$M_{TR}$ = mass of tooling resin used in the past 12 months, excluding any materials exempt under item (d) of 40 CFR 63.5698, megagrams.

$M_{TG}$ = mass of tooling gel coat used in the past 12 months, excluding any materials exempt under item (d) of 40 CFR 63.5698, megagrams.

(c) The open molding emission limit is the same for both new and existing sources.

(d) The materials specified in paragraphs (d)(1) through (3) of 40 CFR 63.5698 are exempt from the open molding emission limit specified in item (b) of 40 CFR 63.5698.

(1) Production resins (including skin coat resins) that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of lifeboats, rescue boats, and other life-saving appliances approved under 46 CFR subchapter Q or the construction of small passenger vessels regulated by 46 CFR subchapter T. Production resins for which this exemption is used must be applied with nonatomizing (non-spray) resin application equipment. The permittee must keep a record of the resins for which the permittee is using this exemption.

(2) Pigmented, clear, and tooling gel coat used for part or mold repair and touch up. The total gel coat materials included in this exemption must not exceed 1 percent by weight of all gel coat used at the facility on a 12-month rolling-average basis. The permittee must keep a record of the amount of gel coats used per month for which the permittee is using this exemption and copies of calculations showing that the exempt amount does not exceed 1 percent of all gel coat used.

(3) Pure, 100 percent vinylester resin used for skin coats. This exemption does not apply to blends of vinylester and polyester resins used for skin coats. The total resin materials included in the exemption cannot exceed 5 percent by weight of all resin used at your facility on a 12-month rolling-average basis. The permittee must keep a record of the amount of 100 percent vinylester skin coat resin used per month that is eligible for this exemption and copies of calculations showing that the exempt amount does not exceed 5 percent of all resin used.

[40 CFR 63.5698; and, Permit No. 0251388-005-AC]

**A.9.** Filled Resin Compliance Method:

(a) If the permittee is using a filled production resin or filled tooling resin, the permittee must demonstrate compliance for the filled material on an as-applied basis using equation 1 of 40 CFR 63.5714.

$$PV_F = PV_u \times \frac{(100 - \%Filler)}{100} \quad \text{(Eq. 1)}$$

Where:

$PV_F$ = The as-applied MACT model point value for a filled production resin or tooling resin, kilograms organic HAP per megagram of filled material.

$PV_u$ = The MACT model point value for the neat (unfilled) resin, before filler is added, as calculated using the formulas in Table 3 to 40 CFR 63 Subpart VVVV.

% Filler =The weight-percent of filler in the as-applied filled resin system.

(b) If the filled resin is used as a production resin and the value of $PV_F$ calculated by equation 1 of 40 CFR 63.5714 does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(c) If the filled resin is used as a tooling resin and the value of $PV_F$ calculated by equation 1 of 40 CFR 63.5714 does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(d) If the permittee is including a filled resin in the emissions averaging procedure described in 40 CFR 63.5710, then the permittee must use the value of $PV_F$ calculated using equation 1 of 40 CFR 63.5714 for the value of $PV_i$ in equation 2 of 40 CFR 63.5710.

[40 CFR 63.5714; and, Permit No. 0251388-005-AC]

**A.10.** Standards for resin and gel coat mixing operations:

(a) All resin and gel coat mixing containers with a capacity equal to or greater than 208 liters, including those used for on-site mixing of putties and polyputties, must have a cover with no visible gaps in place at all times.

(b) The work practice standard in paragraph (a) of 40 CFR 63.5731 does not apply when material is being manually added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.

(c) To demonstrate compliance with the work practice standard in paragraph (a) of 40 CFR 63.5731, the permittee must visually inspect all mixing containers subject to this standard at least once per month. The inspection should ensure that all containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover.

(d) The permittee must keep records of which mixing containers are subject to this standard and the results of the inspections, including a description of any repairs or corrective actions taken.

[40 CFR 63.5731; and, Permit No. 0251388-005-AC]

**A.11.** Standards for resin and gel coat application equipment cleaning operations:

(a) For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), the permittee must use a cleaning solvent that contains no more than 5 percent organic HAP by weight. For removing cured resin or gel coat from application equipment, no organic HAP content limit applies.

(b) The permittee must store organic HAP-containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment to be cleaned is placed in or removed from the container. On containers with a capacity greater than 7.6 liters, the distance from the top of the container to the solvent surface must be no less than 0.75 times the diameter of the container. Containers that store organic HAP-containing solvents used for removing cured resin or gel coat are exempt from the requirements of 40 CFR part 63, subpart T. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.

[40 CFR 63.5734; and, Permit No. 0251388-005-AC]

**A.12.** Compliance demonstration with the resin and gel coat application equipment cleaning standards:

(a) Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in 40 CFR 63.5734 using the methods specified in 40 CFR 63.5758.

(b) If the permittee recycles cleaning solvents on site, the permittee may use documentation from the solvent manufacturer or supplier or a measurement of the organic HAP content of the cleaning solvent as originally obtained from the solvent supplier for demonstrating compliance, subject to the conditions in 40 CFR 63.5758 for demonstrating compliance with organic HAP content limits.

(c) At least once per month, the permittee must visually inspect any containers holding organic HAP-containing solvents used for removing cured resin and gel coat to ensure that the containers have covers with no visible gaps. Keep records of the monthly inspections and any repairs made to the covers.

[40 CFR 63.5737; and, Permit No. 0251388-005-AC]

**A.13.** Emission limit for carpet and fabric adhesive operations:

(a) The permittee must use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.

(b) To demonstrate compliance with the emission limit in paragraph (a) of 40 CFR 63.5740, the permittee must determine and record the organic HAP content of the carpet and fabric adhesives using the methods in 40 CFR 63.5758.

[40 CFR 63.5740; and, Permit No. 0251388-005-AC]

**A.14.** Organic HAP Content Determination:

(a) *Determine the organic HAP content for each material used*. To determine the organic HAP content for each material used in the open molding resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations, the permittee must use one of the options in paragraphs (a)(1), (3) through (6) of 40 CFR 63.5758.

(1) *Method 311 (appendix A to 40 CFR part 63)*. The permittee may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of 40 CFR 63.5758 when determining organic HAP content by Method 311.

(i) Include in the organic HAP total each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, the permittee does not need not include it in the organic HAP total. The permittee shall express the mass fraction of each organic HAP measured as a value truncated to four places after the decimal point (for example, 0.1234).

(ii) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).

(3) *ASTM D1259–85 (Standard Test Method for Nonvolatile Content of Resins)*. The permittee may use ASTM D1259–85 (available for purchase from ASTM) to measure the mass fraction of volatile matter of resins and gel coats for open molding operations and use that value as a substitute for mass fraction of organic HAP.

(4) *Alternative method*. The permittee may use an alternative test method for determining mass fraction of organic HAP if the permittee obtains prior approval administrator. The permittee must follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.

(5) *Information from the supplier or manufacturer of the material*. The permittee may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (4) of 40 CFR 63.5758, such as manufacturer's formulation data, according to paragraphs (a)(5)(i) through (iii) of 40 CFR 63.5758.

(i) Include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, the permittee does not have to include it in the organic HAP total.

(ii) If the organic HAP content is provided by the material supplier or manufacturer as a range, then the permittee must use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of 40 CFR 63.5758 exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then the permittee must use the measured organic HAP content to determine compliance.

(iii) If the organic HAP content is provided as a single value, the permittee may assume the value is a manufacturing target value and actual organic HAP content may vary from the target value. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of 40 CFR 63.5758 is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or

manufacturer, then the permittee 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.

(6) *Solvent blends*. Solvent blends may be listed as single components for some regulated materials in certifications provided by manufacturers or suppliers. Solvent blends may contain organic HAP, which must be counted toward the total organic HAP content of the materials. When detailed organic HAP content data for solvent blends are not available, the permittee may use the values for organic HAP content that are listed in Table 5 or 6 to 40 CFR 63 Subpart VVVV. The permittee may use Table 6 to 40 CFR 63 Subpart VVVV only if the solvent blends in the materials the permittee uses do not match any of the solvent blends in Table 5 to 40 CFR 63 Subpart VVVV and the permittee knows only whether the blend is either aliphatic or aromatic. However, if test results indicate higher values than those listed in Table 5 or 6 to 40 CFR 63 Subpart VVVV, then the test results must be used for determining compliance.

[40 CFR 63.5758(a)(1) & (a)(3)-(6); and, Permit No. 0251388-005-AC]

**A.15.** Notifications Submittal:

(a) The permittee must submit all of the notifications in Table 7 to 40 CFR 63 Subpart VVVV by the dates in the table. The notifications are described more fully in 40 CFR Part 63, Subpart A, General Provisions, referenced in Table 8 to 40 CFR 63 Subpart VVVV.

(b) The permittee shall submit changes to any information submitted in any notification, including the selected open molding emissions limit compliance option. The permittee shall submit any changes in writing to the RER, at least 30 days prior to the initiation of such change(s).

(c) The permittee shall not switch from the selected open molding emissions limit compliance option in the middle of a 12-month averaging period, if the facility is complying with the MACT model point value averaging (emissions averaging) option.

[40 CFR 63.5761; and, Permit No. 0251388-005-AC]

**A.16.** Compliance Option-Specific Conditions: In addition to the conditions listed above, based on the selected compliance option(s), the permittee shall also comply with the applicable open molding emissions limit option-specific conditions as follows:

(a) *Maximum achievable control technology (MACT) model point value averaging (emissions averaging) option*. (1) Specific conditions A.17, A.18 and A.19.

(b) *Compliant materials option*. (1) Specific conditions A.20 and A.21.

(c) *Add-on control option*. (1) The permittee shall obtain an air construction permit from RER prior to installing any add-on control.

[40 CFR 63 Subpart VVVV; and, Permit No. 0251388-005-AC]

**EMISSIONS AVERAGING OPTION**

**A.17.** General Compliance Requirements: For those open molding operations and materials complying using the emissions averaging option, the permittee must demonstrate compliance by performing the steps in paragraphs (a)(1) through (5) of 40 CFR 63.5704.

(1) Use the methods specified in 40 CFR 63.5758 to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in 40 CFR 63.5710 to show that the organic HAP emissions do not exceed the limit specified in 40 CFR 63.5698.

(3) Keep records as specified in paragraphs (a)(3)(i) through (iv) of 40 CFR 63.5704 for each resin and gel coat.

(i) Hazardous air pollutant content.

(ii) Amount of material used per month.

(iii) Application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.

(iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in 40 CFR 63.5710.

(4) Prepare and submit the implementation plan described in 40 CFR 63.5707 to the RER and keep it up to date.

(5) Submit semiannual compliance reports to the RER as specified in 40 CFR 63.5764.

[40 CFR 63.5704(a); and, Permit No. 0251388-005-AC]

**A.18.** Implementation Plan:

(a) The permittee must prepare an implementation plan for all open molding operations for which the permittee complies by using the emissions averaging option described in 40 CFR 63.5704(a).

(b) The implementation plan must describe the steps the permittee will take to bring the open molding operations covered by 40 CFR 63 Subpart VVVV into compliance. For each operation included in the emissions average, the implementation plan must include the elements listed in paragraphs (b)(1) through (3) of 40 CFR 63.5707.

(1) A description of each operation included in the average.

(2) The maximum organic-HAP content of the materials used, the application method used (if any atomized resin application methods are used in the average), and any other methods used to control emissions.

(3) Calculations showing that the operations covered by the plan will comply with the open molding emissions limit specified in 40 CFR 63.5698.

(c) The permittee must submit the implementation plan to the RER with the notification of compliance status specified in 40 CFR 63.5761.

(d) The permittee must keep the implementation plan on site and provide it to the RER when asked.

(e) If the permittee revises the implementation plan, the permittee must submit the revised plan with the next semiannual compliance report specified in 40 CFR 63.5764.

[40 CFR 63.5707; and, Permit No. 0251388-005-AC]

**A.19.** Compliance Method:

(a) Compliance using the emissions averaging option is demonstrated on a 12-month rolling-average basis and is determined at the end of every month (12 times per year). The first 12-month rolling-average period begins on the compliance date specified in 40 CFR 63.5695.

(b) At the end of the twelfth month after the compliance date and at the end of every subsequent month, use equation 1 of 40 CFR 63.5710 to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in 40 CFR 63.5698 calculated for the same 12-month period. (Include terms in equation 1 of 40 CFR 63.5698 and equation 1 of 40 CFR 63.5698 for only those operations and materials included in the average.)

$$\text{HAP emissions} = [(PV_R)(M_R)+(PV_{PG})(M_{PG})+(PV_{CG})(M_{CG})+(PV_{TR})(M_{TR})+(PV_{TG})(M_{TG})] \quad \text{(Eq. 1)}$$

Where:

HAP emissions = Organic HAP emissions calculated using MACT model point values for each operation included in the average, kilograms.

$PV_R$ = Weighted-average MACT model point value for production resin used in the past 12 months, kilograms per megagram.

$M_R$ = Mass of production resin used in the past 12 months, megagrams.

$PV_{PG}$ = Weighted-average MACT model point value for pigmented gel coat used in the past 12 months, kilograms per megagram.

$M_{PG}$ = Mass of pigmented gel coat used in the past 12 months, megagrams.

$PV_{CG}$ = Weighted-average MACT model point value for clear gel coat used in the past 12 months, kilograms per megagram.
$M_{CG}$ = Mass of clear gel coat used in the past 12 months, megagrams.
$PV_{TR}$ = Weighted-average MACT model point value for tooling resin used in the past 12 months, kilograms per megagram.
$M_{TR}$ = Mass of tooling resin used in the past 12 months, megagrams.
$PV_{TG}$ = Weighted-average MACT model point value for tooling gel coat used in the past 12 months, kilograms per megagram.
$M_{TG}$ = Mass of tooling gel coat used in the past 12 months, megagrams.

(c) At the end of every month, use equation 2 of 40 CFR 63.5710 to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PV_{OP} = \frac{\sum_{i=1}^{n} ( M_i \, PV_i )}{\sum_{i=1}^{n} ( M_i )} \qquad \text{(Eq. 2)}$$

Where:

$PV_{OP}$ = weighted-average MACT model point value for each open molding operation ($PV_R$, $PV_{PG}$, $PV_{CG}$, $PV_{TR}$, and $PV_{TG}$) included in the average, kilograms of HAP per megagram of material applied.
$M_i$ = mass of resin or gel coat i used within an operation in the past 12 months, megagrams.
n = number of different open molding resins and gel coats used within an operation in the past 12 months.
$PV_i$ = the MACT model point value for resin or gel coat i used within an operation in the past 12 months, kilograms of HAP per megagram of material applied.

(d) The permittee must use the equations in Table 3 to 40 CFR 63 Subpart VVVV to calculate the MACT model point value ($PV_i$) for each resin and gel coat used in each operation in the past 12 months.
(e) If the organic HAP emissions, as calculated in paragraph (b) of 40 CFR 63.5710, are less than the organic HAP limit calculated in 40 CFR 63.5698(b) for the same 12-month period, then the permittee is in compliance with the emission limit in 40 CFR 63.5698 for those operations and materials included in the average.

[40 CFR 63.5710; and, Permit No. 0251388-005-AC]

**COMPLIANT MATERIALS OPTION**

**A.20.** General Compliance Requirements: For each open molding operation complying using the compliant materials option, the permittee must demonstrate compliance by performing the steps in paragraphs (b)(1) through (4) of 40 CFR 63.5704.

(1) Use the methods specified in 40 CFR 63.5758 to determine the organic HAP content of resins and gel coats.
(2) Complete the calculations described in 40 CFR 63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 to 40 CFR 63 Subpart VVVV.
(3) Keep records as specified in paragraphs (b)(3)(i) through (iv) of 40 CFR 63.5704 for each resin and gel coat.
    (i) Hazardous air pollutant content.
    (ii) Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.

(iii) Amount of material used per month. This record is not required for an operation if all materials used for that operation comply with the organic HAP content requirements.

(iv) Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in 40 CFR 63.5713.

(4) Submit semiannual compliance reports to the RER as specified in 40 CFR 63.5764.

[40 CFR 63.5704(b); and, Permit No. 0251388-005-AC]

**A.21.** Compliance Method:

(a) Compliance using the organic HAP content requirements listed in Table 2 to 40 CFR 63 Subpart VVVV is based on a 12-month rolling average that is calculated at the end of every month. The first 12-month rolling-average period begins on the compliance date specified in 40 CFR 63.5695. If the permittee is using filled material (production resin or tooling resin), the permittee must comply according to the procedure described in 40 CFR 63.5714.

(b) At the end of the twelfth month after the compliance date and at the end of every subsequent month, review the organic HAP contents of the resins and gel coats used in the past 12 months in each operation. If all resins and gel coats used in an operation have organic HAP contents no greater than the applicable organic HAP content limits in Table 2 to 40 CFR 63 Subpart VVVV, then the permittee is in compliance with the emission limit specified in 40 CFR 63.5698 for that 12-month period for that operation. In addition, the permittee does not need to complete the weighted-average organic HAP content calculation contained in paragraph (c) of 40 CFR 63.5713 for that operation.

(c) At the end of every month, the permittee must use equation 1 of 40 CFR 63.5713 to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

$$\text{Weighted-Average HAP Content (\%)} = \frac{\sum_{i=1}^{n} \left( M_i \, HAP_i \right)}{\sum_{i=1}^{n} \left( M_i \right)} \qquad \text{(Eq. 1)}$$

Where:

$M_i$ = mass of open molding resin or gel coat i used in the past 12 months in an operation, megagrams.

$HAP_i$ = Organic HAP content, by weight percent, of open molding resin or gel coat i used in the past 12 months in an operation. Use the methods in 40 CFR 63.5758 to determine organic HAP content.

n = number of different open molding resins or gel coats used in the past 12 months in an operation.

(d) If the weighted-average organic HAP content does not exceed the applicable organic HAP content limit specified in Table 2 to 40 CFR 63 Subpart VVVV, then the permittee is in compliance with the emissions limit specified in 40 CFR 63.5698.

[40 CFR 63.5713; and, Permit No. 0251388-005-AC]

**Excess Emissions**

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS or NESHAP provision.

**A.22.** Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided (1) best practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration. Excess emissions that are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.
[Rule 62-210.700(1), F.A.C.; and, Permit No. 0251388-005-AC]

**Recordkeeping and Reporting Requirements**

**A.23.** Report Submittal:

(a) The permittee must submit the applicable reports specified in paragraphs (b) through (e) of 40 CFR 63.5764. To the extent possible, the permittee must organize each report according to the operations covered by 40 CFR 63 Subpart VVVV and the compliance procedure followed for that operation.

(b) Unless the RER has approved a different schedule for submission of reports under 40 CFR 63.10(a), the permittee must submit each report by the dates in paragraphs (b)(1) through (5) of 40 CFR 63.5764.

(1) If the source is not controlled by an add-on control device (i.e., the source is complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), the first compliance report must cover the period beginning 12 months after the compliance date specified for the source in 40 CFR 63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after the compliance date that is specified for the source in 40 CFR 63.5695. If the source is controlled by an add-on control device, the first compliance report must cover the period beginning on the compliance date specified for the source in 40 CFR 63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the source in 40 CFR 63.5695.

(2) The first compliance report must be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in paragraph (b)(1) of 40 CFR 63.5764.

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

(4) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the RER has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the permittee may submit the first and subsequent compliance reports according to the dates the RER has established instead of according to the dates in paragraphs (b)(1) through (4) of 40 CFR 63.5764.

(c) The compliance report must include the information specified in paragraphs (c)(1) through (7) of 40 CFR 63.5764.

(1) Company name and address.

(2) A statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.

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

(4) A description of any changes in the manufacturing process since the last compliance report.

(5) A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which the permittee is complying. The statement or table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for

each operation during each of the rolling 12-month averaging periods that end during the reporting period.

(6) If the permittee was in compliance with the emission limits and work practice standards during the reporting period, the permittee must include a statement to that effect.

(7) If the permittee deviated from an emission limit or work practice standard during the reporting period, the permittee must also include the information listed in paragraphs (c)(7)(i) through (iv) of 40 CFR 63.5764 in the semiannual compliance report.

(i) A description of the operation involved in the deviation.

(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.

(iii) A description of any corrective action the permittee took to minimize the deviation and actions the permittee has taken to prevent it from happening again.

(iv) A statement of whether or not the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.

(d) If the facility has an add-on control device, the permittee must submit semiannual compliance reports and quarterly excess emission reports as specified in 40 CFR 63.10(e). The contents of the reports are specified in 40 CFR 63.10(e).

[40 CFR 63.5764; and, Permit No. 0251388-005-AC]

**A.24.** Additional Recordkeeping: The permittee must keep the records specified in paragraphs (a), (b), (c)(1) & (d) of 40 CFR 63.5767 in addition to records specified in individual sections of 40 CFR 63 Subpart VVVV.

(a) The permittee must keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart VVVV.

(b) The permittee must keep all documentation supporting any notification or report that was submitted.

(c) If the facility is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), the permittee must keep the records specified in paragraph (c)(1) of 40 CFR 63.5767.

(1) The total amounts of open molding production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat used per month and the weighted-average organic HAP contents for each operation, expressed as weight-percent. For open molding production resin and tooling resin, the permittee must also record the amounts of each applied by atomized and nonatomized methods.

(d) If the facility has an add-on control device, the permittee must keep the records of any failures to meet the applicable standards, including the date, time, and duration of the failure; a list of the affected add-on control device and actions taken to minimize emissions, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions; control device performance tests; and continuous monitoring system performance evaluations.

[40 CFR 63.5767(a), (b), (c)(1) & (d); and, Permit No. 0251388-005-AC]

**A.25.** Format/Length of Recordkeeping:

(a) The records must be readily available and in a form so they can be easily inspected and reviewed.

(b) The permittee must keep each record for 5 years following the date that each record is generated.

(c) The permittee must keep each record on site for at least 2 years after the date that each record is generated. The permittee can keep the records offsite for the remaining 3 years.

(d) The permittee can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.

(e) Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be 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.
[40 CFR 63.5770; and, Permit No. 0251388-005-AC]

**A.26.** Record of Recycling: The owner or operator shall keep a log with the following information: the amount of chemicals manifested to recyclers, the manufacturer, or the dump.
[Permit No. 0251388-005-AC]

**A.27.** Other Reporting Requirements: See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.
[Rule 62-213.440(1)(b), F.A.C.]

Table of Contents

## Subsection B. Spray Painting of Fiberglass Boats (EU 002)

**The specific conditions in this section apply to the following emissions unit:**

| EU No. | Brief Description |
|---|---|
| 002 | Spray Painting of Fiberglass Boats with ~~One~~ Two (~~1~~2) Paint Spray Booths |

Paint Spray Booth No. 1: One (1) paint spray booth with unknown manufacturer and Model No. of dimensions 25'L x 10'W x 10'H, one (1) 3HP, tubeaxial fan with 10,310 CFM, and one (1) 48"x 48" exhaust filter.

Paint Spray Booth No. 2: One (1) custom manufactured paint spray booth of dimensions 49'-4''L x 28'-11.5"W x 10'H, one (1) 5HP, Dayton, Model No. 36VF05B exhaust fan with 15,000 CFM, and one (1) 35"H x 72"W exhaust filter panel.

### Essential Potential to Emit (PTE) Parameters

**B.1.** Hours of Operation: The hours of operation are not limited (8,760 hours/year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; and, Permit Nos. 0251388-005-AC & 0251388-007-AC]

### Emission Limitations and Standards

**B.2.** Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.; and, Permit Nos. 0251388-005-AC & 0251388-007-AC]

### Recordkeeping and Reporting Requirements

**B.3.** Supporting Documentation: The owner or operator shall maintain supporting documentation, such as Material Safety Data Sheets, purchase orders, usage, and disposal records, etc., and shall include sufficient information to determine compliance. The log and documents shall be kept at the facility, and made available for RER inspection for a minimum of five (5) years from the date of such records.
[Rule 62-4.070(3), F.A.C.; and, Permit Nos. 0251388-005-AC & 0251388-007-AC]

**B.4.** Other Reporting Requirements: See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.
[Rule 62-213.440(1)(b), F.A.C.]

Table of Contents