



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

**RICK SCOTT
GOVERNOR**

**HERSCHEL T. VINYARD JR.
SECRETARY**

FINAL PERMIT

PERMITTEE

American Fiberglass Pools, Inc.
6651 Industrial Ave
Port Richey, FL, 34668

Air Permit No. 1010351-005-AO
Permit Expires: 09/20/2018
Minor Air Operation Permit
Fiberglass Pool & Spa Manufacturing Facility

Authorized Representative:
Robert Donaldson, President

This is the final permit to renew Air Operation Permit No. 1010351-004-AO for fiberglass pool & spa manufacturing operation at American Fiberglass Pools (Standard Industrial Classification No. 3089). The facility is located in Pasco County at 6651 Industrial Avenue in Port Richey, Florida. The UTM coordinates are Zone 17, 334.49 km East, and 3128.99 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Due to the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative

determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

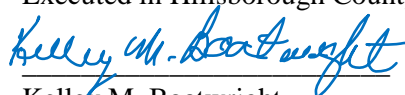
A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

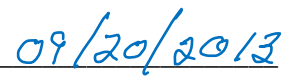
Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida



Kelley M. Boatwright
District Air Program Administrator
Southwest District



Effective Date

CERTIFICATE OF SERVICE

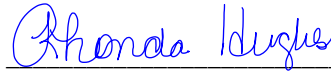
The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on the date indicated below to the persons listed below.

Robert Donaldson, President
fibpoolguy@yahoo.com

Erin DiBacco, Compliance Assurance Team Manager
Erin.DiBacco@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

9/20/2013

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY DESCRIPTION

Existing Facility

The existing facility manufactures fiberglass pool, spas and related articles. Manufacturing activities occur in the northern portion of a 60' by 50' by 20' building. Trimming, buffing, mold preparation/mold care and assembly takes place in the west half of this area (assembly area), and lamination occurs in the east half (lamination area). The assembly area may be used for lamination of a second pool while the first pool is curing. Exhaust for both areas is provided through a 48" diameter, 10,000 cfm (est.) fan in the southeastern corner of the lamination area. The filter in the exhaust fan inlet will control particulate overspray from the lamination process. Particulates from finishing activities done with handheld tools such as trimming, grinding and hole cutting will be contained by portable "shop-vac" vacuum collectors and good housekeeping techniques. The existing facility consists of the following emissions unit (EU).

Facility ID No. 1010351	
EU ID No.	Emissions Unit Description
001	Fiberglass Pool & Spa Manufacturing

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutants Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs). The emission limitations in this permit will ensure that the facility's VOC and HAP emissions will be below the threshold for a Title V source.

PERMIT HISTORY

This permit replaces Operation Permit No. 1010351-004-AO.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Permitting Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

3. Appendices - The following Appendices are attached as part of this permit:

- a. Appendix A. Citation Formats and Glossary of Common Terms;
- b. Appendix B. General Conditions;
- c. Appendix C. Common Conditions;
- d. Appendix D. Common Testing Requirements; and
- e. Appendix E. Unified Emission Factors for Open Molding of Composites

4. Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions - For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS

6. Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]
7. Annual Operating Report - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
[Rule 62-210.370(3), F.A.C.]
8. Operation Permit Renewal Application - A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the applicant shall submit the following:
- a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
 - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.; and
 - c. copies of the most recent month of records/logs specified in Specific Condition No. A.7.
- [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Fiberglass Pool & Spa Manufacturing

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
001	<u>Fiberglass Pool & Spa Manufacturing</u> – Styrene-based gelcoat catalyzed with peroxide is applied to a mold via atomized spray layup (open molding) techniques. The gelcoat surface contacting the mold becomes the pool surface. Styrene-based and catalyzed resin is subsequently applied via non-atomized wet out guns to the fiberglass mat and/or roving. The resin impregnated fiberglass is then hand applied to the mold over the gelcoat layer to provide the necessary structural support. After sufficient layers of resin coated fiberglass are applied to the mold, hand rollers are typically used to force the resin into the fiberglass. Additional layers of resin coated mat are applied as needed to achieve the required thickness. The pool is removed from the mold when fully solidified. The pool edges are trimmed and ground by hand powered tools. Holes are cut as needed to accommodate drain, filter lines and other items installed in the final assembly process.

PERFORMANCE RESTRICTIONS

- A.1.** Restricted Operation - The hours of operation are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200 (definition of Potential to Emit), F.A.C.]

EMISSIONS STANDARDS

- A.2.** VOC/HAP Emission Limitations - In order to establish the facility as a non-Title V minor source of VOC and HAP emissions, the following emission limits shall apply facility-wide.
- a. Styrene - Styrene emissions shall not exceed 9.75 tons in any 12 consecutive month period.
 - b. Hazardous Air Pollutants (HAPs) -
 - (1) Individual HAP emissions (other than Styrene) shall not exceed 2.0 tons in any 12 consecutive month period; and
 - (2) Total combined emissions of all HAPs, including Styrene, shall not exceed 24.0 tons in any 12 consecutive month period.
 - c. Volatile Organic Compounds (VOC) - Total combined emissions of all VOC shall not exceed 24.0 tons in any 12 consecutive month period.
- [Rule 62-210.200 (“Potential to Emit”), F.A.C.; Construction Permit No. 1010351-003-AC]
- A.3.** General Standards: Objectionable Odor - No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An objectionable odor is 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.
[Rules 62-210.200 (“Objectionable Odor”) and 62-296.320(2), F.A.C.]
- A.4.** General Standards: Volatile Organic Compound Emissions and/or Organic Solvent Emissions - The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Fiberglass Pool & Spa Manufacturing

existing vapor emission control devices or systems deemed necessary and ordered by the Department. The following procedures shall be utilized to minimize pollutant emissions:

- a. the exhaust fan located in the lamination area shall be operating whenever usage of material containing VOCs and or HAPs occurs and shall remain operating for at least 1 hour after the usage has been completed;
- b. all equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such a manner as to minimize leaks, fugitive emissions and spills of solvent materials;
- c. perform mixing/blending operations with vessel lids in place;
- d. tightly cover or close all VOC and/or solvent containing vessels, drums, totes, etc., when they are not in use;
- e. immediately confine and clean up VOC and/or solvent spills, and make sure wastes are placed in closed containers for reuse, recycling or proper disposal; and
- f. used cleanup solvents shall be captured and stored in closed containers and recycled or disposed of as required by the appropriate waste disposal regulations.

[Rules 62-4.070(3) and 62-296.320(1)(a), F.A.C.]

- A.5.** General Standards: Unconfined Particulate Matter - All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provisions in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Unconfined particulate emissions generated from activities such as cutting, sanding, trimming, shaping, and grinding shall be controlled by portable "shop-vac" vacuum collectors, frequent sweeping and cleaning of equipment, floors and other surfaces and other good housekeeping procedures.

In order to provide reasonable assurance that adequate measures are being taken to control fugitive emissions, visible emissions from any building opening, vent or stack should not exceed 5% opacity. Opacity in excess of this level will not be considered as a violation in and of itself, but shall be an indication that additional control precautions and/or practices beyond those in place may be necessary.

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.; Construction Permit No. 1010351-003-AC]

- A.6.** Emission Calculations - In order to document compliance with Specific Condition No. A.2., the permittee shall calculate emissions based on the following methodology:

Material Usage Rate (lbs) \times Species Concentration (% by weight)* \times Emission Factor (lbs emitted/lbs applied)* = Species Emission Rate (lbs)

* Styrene and methylmethacrylate (MMA) emission factors shall be determined in accordance with the attached Unified Emission Factors (UEF) for Open Molding of Composites table dated July 23, 2001. Emission factors for any other VOC or HAP shall be 1.0 unless lower emission factors are approved by the Department in writing.

[Rules 62-4.070(3), F.A.C.; Construction Permit 1010351-003-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Fiberglass Pool & Spa Manufacturing

RECORDKEEPING AND REPORTING REQUIREMENTS

A.7. Monthly VOC and HAP Recordkeeping - The permittee shall keep monthly logs to document compliance with the VOC and HAP limitations of Specific Condition No. A.2. The logs may be based on the beginning and ending inventories, deliveries, shipments, etc. At the option of the permittee, “purchases” may be used instead of “usage” in determining VOC/HAP emissions, provided that no materials are used which are not purchased and the material is not used in multiple application methods with different emission factors. The monthly logs shall include, but not be limited to, the following information:

- a. facility name, facility ID No., emission unit ID No., and description (i.e., American Fiberglass Pools, Inc., 1010351, E.U. 001, fiberglass pool & spa manuf.);
- b. month, year, and method used for records (usage or purchase);
- c. monthly total quantity in gallons of each material (resin, gelcoat, catalyst, tooling gel, etc.) that contains Styrene, HAPs, and/or VOCs;
- d. percentage by weight of each individual HAP (including Styrene) and VOC for each material identified in c., above;
- e. appropriate emission factor(s), and method(s) of application (i.e., mechanical atomized, mechanical non-atomized) used to determine Styrene emissions;
- f. monthly total of Styrene, other individual HAP, total HAP and VOC emissions (tons/month) based on c., d. and e. above; and
- g. most recent 12 consecutive month period total of Styrene, other individual HAP, total HAP and VOC emissions (tons/12 consecutive month period) based on f. above.

The monthly logs shall be completed by the 15th of the following month. These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. Supporting documentation (MSD sheets, purchase orders, emission factors, etc.) shall be kept for each VOC and HAP containing material. If any month results in Styrene or total HAPs emissions exceeding 90% of the limitation in Specific Condition A.2., for the prior 12 consecutive month period, the monthly records required above shall then be kept daily. These logs shall be completed with 3 business days. The “purchase” option shall not be used when daily logs are required.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010351-003-AC]