

**REINFORCED POLYESTER RESIN OPERATIONS
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET**

Facility Identification Number - If known (seven digit number)

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Registration Type

Check one:

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INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit). If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using an air general permit.

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C.
- Any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only, if Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

American Energy Innovations, LLC.

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)

AEI #1

Facility Location (Physical location of the facility, not necessarily the mailing address.)

Street Address: 7765 Ellipse Way

City: Stuart

County: Martin

Zip Code: 34997-7245

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility.)

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Facility Contact

<u>Name and Position Title</u> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: <u>Roger McCaslin, General Manager</u>		
<u>Facility Contact Telephone Numbers</u> Telephone: <u>772-288-1088</u> Fax: <u>772-288-1172</u> Cell phone: _____ E-mail: <u>roger.mccaslin@americanei.com</u>		
<u>Facility Contact Mailing Address</u> Organization/Firm: <u>American Energy Innovations, LLC</u> Mailing Address: <u>7765 Ellipse Way</u> City: <u>Stuart</u> County: <u>Martin</u> Zip Code: <u>34997 - 7245</u>		

Other Contact/Representative (to serve as additional Department contact)

<u>Name and Position Title</u> Print Name and Title: <u>Philip Catsman, Managing Member</u>		
<u>Other Contact/Representative Telephone Numbers</u> Telephone: <u>772-288-1088</u> Fax: <u>772-288-1172</u> Cell phone: _____ E-mail: <u>phil.catsman@americanei.com</u>		
<u>Other Contact/Representative Mailing Address</u> Organization/Firm: _____ Mailing Address: _____ City: _____ County: _____ Zip Code: _____		

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Material Usage Rates

If this is an **initial registration** for a reinforced polyester resin operation, provide an estimate of the total quantity, in pounds, of styrene-containing materials (resin and gelcoat) expected to be used over a 12-month period.* 15,000

If this is a **re-registration** for a reinforced polyester resin operation, provide the highest 12-month total quantity, in pounds, of styrene-containing materials (resin and gelcoat) used in the last five years. Indicate the 12-month period over which this usage occurred.

***Note:** the general permit limits the usage of such material to 76,000 pounds (38 tons) in any consecutive 12 months.

Description of Facility

Below, or as an attachment to this form, provide a description of the reinforced polyester resin operations at the facility in sufficient detail to demonstrate the facility’s eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Small wind blade manufacturing facility utilizing Isophthalic polyester, Vinylester and Epoxy resins in a resin infusion process. The resin infusion process will include catalysts/hardeners such as MEKP, CHP and Jeffamine. Note: all products will be manufactured in a closed mold. Gel coat will be sprayed onto an open mold, the mold will then be loaded with dry glass and closed. A vacuum will be applied and resin will feed from closed containers via tubes through resin ports in the mold.

An activated charcoal air filtration system will be installed before September 1.

Air pollutant emitting processes will be:

Gel coat spraying and resin infusion

Air pollutant equipment will be the gel coat spray gun.

Helpful Definitions

“Department” or “DEP” - The State of Florida Department of Environmental Protection.

“Emissions Unit” - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

“Facility” - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

“Owner” or “Operator” - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

“Polyester Resin Material” – Materials used in polyester resin operations which include isophthalic, orthophthalic, halogenated, bisphenol-A, vinyl-ester or furan resins; cross-linking agents; catalysts, gel coats, inhibitors, accelerators, promoters, and any other VOC containing materials.

“Reinforced Polyester Resin Operations” – An operation that entails saturating a reinforcing material such as glass fiber with a polyester resin material. Such operations include the production or rework of product by mixing, pouring, hand laying-up, impregnating, injecting, forming, spraying, and/or curing unsaturated polyester materials with fiberglass, fillers, or any other reinforcement materials and associated cleanup.

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REINFORCED POLYESTER RESIN OPERATIONS

Air General Permit Example Registration Worksheet

The Department of Environmental Protection (“Department” or “DEP”) has established an “air general permit” at Florida Administrative Code (“F.A.C.”) Rule 62-210.310(4)(d) for reinforced polyester resin operations. An air general permit is an authorization by rule to construct or operate a specific type of air pollutant emitting facility. Use of such authorization by any individual facility does not require action by the Department. The terms and conditions of the air general permit are set forth in the rule, rather than in a separately issued air construction or air operation permit.

If you are the owner or operator of an eligible facility comprising on or more animal crematories, you may register to use the air general permit at Rule 62-210.310(4)(d), F.A.C., by following the general procedures given at subsections 62-210.310(2) and 62-210.310(3), F.A.C. To register, use the Department’s electronic registration system (currently under development) or submit all the information specified in the above rules to either of the following addresses, along with the air general permit registration processing fee (\$100.00), payable to FDEP.

Regular USPS Mail Delivery

Department of Environmental Protection
Receipts
Post Office Box 3070
Tallahassee, Florida 32315-3070

or

✓ Overnight Delivery (FedEx, UPS, DHL, etc.)

Department of Environmental Protection
3800 Commonwealth Blvd.
Mail Station 77
Tallahassee, Florida 32399

If you properly register to use an air general permit, and are not denied use of the air general permit by the Department, you are authorized to construct and operate the facility in accordance with the general terms and conditions of Rule 62-210.310, F.A.C., and the specific terms and conditions of Rule 62-210.310(4)(d), F.A.C. Your facility may vary, so be sure your registration describes the operations at your facility in sufficient detail to demonstrate the facility’s eligibility for use of the air general permit and to provide a basis for tracking any future equipment or process changes. Your registration should describe all air pollutant-emitting processes and equipment at the facility, and it should identify any air pollution control measures or equipment used.

The rules do not require any specific format for the registration. This worksheet, however, has been designed to assist owners and operators. Using it as a template for a general permit registration will help ensure that all necessary information is submitted.

Additional information can be found on the Department’s air general permit program website (http://www.floridadep.org/air/emission/air_gp.htm) or by calling the Small Business Environmental Assistance Program Hotline at 1-800-SBAP-HLP (1-800-722-7457).

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