Draft/Proposed Initial Title V Air Operation Permit
Permit No. 0330291-003-AV

APPLICANT

The applicant for this project is Jupiter Composites, Inc. The applicant's responsible official and mailing address are: Mr. Sean Guidry, Site Manager, Jupiter Composites, Inc., 3301 Bill Metzger Lane, Pensacola, Florida 32514.

FACILITY DESCRIPTION

The applicant operates the Jupiter Composites, Inc., which is located at 3301 Bill Metzger Lane in Pensacola.

This facility manufactures wind turbine generator housings and housing parts made of reinforced plastic composites using two different processes to apply gelcoat and resin. All parts are fabricated using vacuum infused technology. Gelcoat is spray-applied to the molds and allowed to cure. Pre-cut fiberglass and metal parts are added to the molds and the molds are prepared for vacuum infusion. Styrene resin is drawn into the mold cavity by vacuum. A vacuum pump is utilized to draw the resin from the mixing room to the molds. PM, HAP and non-HAP VOC emissions from these areas of operations are discharged outside the building from Stack No. 1and Stack No. 2. Each stack is equipped with a fabric filter to remove PM.

A section of the building is used for the fiberglass manufacturing process. A 20' by 45' gelcoat room is equipped with fan inlet filters and exhaust through Stack No. 1. All resin and gelcoat is mixed and handled in a 10' by 15' mixing room that exhausts through Stack No. 2.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is for an initial Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit received July 11, 2014
Additional Information Request dated July 17, 2014
Additional Information Response received July 22, 2014
Notice of Intent to Issue Air Permit issued August 5, 2014
Public Notice Published August 9, 2014

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major stationary source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does not operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

PROJECT REVIEW

This initial Title V permit incorporates the provisions of permit No. 0330291-002-AC, which authorized the construction of a facility to manufacture wind turbine generator housings and housing parts made of reinforced plastic composites using two different processes to apply gelcoat and resin.

CONCLUSION

This project is for the initial Title V air operation permit. This initial Title V air operation permit is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.