STATEMENT OF BASIS

Initial Title V Air Operation Permit
Permit No. 0330287-002-AV

APPLICANT

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

FACILITY DESCRIPTION

The applicant operates the Jupiter Composites, Inc., which is located at 3380 Bill Metzger Lane in Pensacola.

This facility fabricates wind turbine generator housings made of reinforced plastic composites using two different processes to apply gelcoat and resin. All parts are fabricated using vacuum infused technologies. 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 section of the building is walled off from the rest of the facility for the gelcoat and trimming operations. A vacuum loop is installed around the resin infusion area. These areas have ventilation systems that are designed to capture fugitive particulate matter emissions and fugitive HAP and non-HAP VOC for discharge outside the building.

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 an Initial Title V Air Operation Permit received June 30, 2011
Additional Information Request dated August 29, 2011
Additional Information Response received October 27, 2011

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, specifically 40 CFR 63subpart WWWW - National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production.
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. 0330287-001-AC, which authorized the construction of a facility to manufacture wind turbine generator housings and 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.