Title V Air Operation Permit Renewal
Permit No. 0710238-003-AV

APPLICANT

The applicant for this project is Pall Aeropower Corporation. The applicant's responsible official and mailing address are: Bartley Conderman, Plant Manager, Pall Aeropower Corporation, 4245 Evans Avenue, Fort Myers, Florida, 33901-9311.

FACILITY DESCRIPTION

The applicant operates the Pall Aeropower Corporation – Fort Myers facility, which is located at 4245 Evans Avenue, Fort Myers, Florida, 33901.

This facility is a filter element manufacturing facility to serve the aerospace industry. The manufacturing process includes anodizing and metal finishing using aluminum oxide that is formed electrochemically on aluminum surfaces for corrosion control. There is also a passivation process where stainless steel parts are dipped in a 30% nitric acid solution. Powder coating is performed at the facility and cure ovens are also utilized. The permitted emission units consist of two (2) process lines, which are defined as "Bubble Point Process line" and "Resin Impregnation Process." The cumulative potential emissions (PTE) for the "Bubble Point Process Line" line, EU001 are: Product H115 at 7.0 tons/year (plus fugitive emissions up to 0.7 tons/year), Product H123 at 2.0 tons/year (fugitive emissions up to 0.2 tons/year), and Volatile Organic Compounds (VOC) at 151 tons/year (fugitive emissions up to 15 tons/year). The cumulative potential emissions (PTE) for the "Resin Impregnation Process", EU002 are: Product H115 at 1.0 ton/year (fugitive emissions up to 0.1 ton/year), and Volatile Organic Compounds (VOC) at 39 tons/year (fugitive emissions up to 4 tons/year).

The maximum process throughput rate for the "Bubble Point Process Line" is 160 tons per year and the maximum process throughput rate for the "Resin Impregnation Process" is 40 tons per year.

The maximum allowed combined potential to emit (PTE) of VOCs for the facility is limited to not exceed 200 tons/year. This facility is considered a Major Source of Pollutants Other than HAPs, and is defined as a Title V facility.

Compliance with the VOC emission limitations of Specific Condition 4 (above), shall be by record keeping and calculated by use of material balance and emission factors. Product data, including emissions and emission factors are defined in the product Material Safety and Data Sheets (MSDS), submitted with the permit application. Using the material density and VOC/HAP content (% by weight from the MSDS sheets or other manufacturer's data), calculations of the monthly total HAP and VOC emissions for each material (pounds/month). (A log sheet shall be used to show the HAP/VOC content used in the emission calculations for each material product).

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

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Title V Air Operation Permit issued **March 20, 2007**
Application for a Title V Air Operation Permit Renewal received **July 29, 2011**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not 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 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 not operates 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.

CONCLUSION

This project renews Title V air operation permit No. 0710238-002-AV, which was issued on March 20, 2007. There are no changes or revisions required. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.