Title V Air Operation Permit Renewal
Permit No. 0710238-005-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 revise the existing Title V permit (No. 0710238-003-AV) for the above referenced facility.

Emissions Unit (EU 001) is "REVISED" to eliminate the timed air cure and 150 degree F. electric cure oven and is replaced with a Phoenix Solar Dryer (which uses the heat from the sun) and a dehumidifier. This revision does NOT change the amount of air emissions or production rates defined in original construction permit No. 0710238-001-AC dated May 23, 2006

Emissions Unit (EU 002) is "REVISED" to replace the existing 180 cubic feet electric cure oven with one (1) Grieve electric oven Model TBH-500 (with internal 133 cubic feet internal volume) and one (1)

Grieve electric oven MODEL WRC566-800 (with internal volume of 297 cubic feet). This revision does NOT change the amount of air emissions or production rates defined in original construction permit No. 0710238-001-AC dated May 23, 2006.

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**
Application for a Title V REVISION to EU-001 & EU-002 Received February 14, 2013

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 operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63. Aerospace NESHAP is **NOT** applicable because the facility is considered a Major Source of only VOC emissions which is greater than 100 tons per year. (The HAP emissions are below the threshold of 10 tons of a single HAP or 25 tons of combination of HAPs).

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 revises Title V air operation permit No. 0710238-003-AV, which was issued on November 30, 2011.

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.