Title V Air Operation Permit
Permit No. 1010335-009-AV

## APPLICANT

The applicant for this project is Pall Aerpower Corporation. The applicant's responsible official and mailing address are: Jeffrey Brown, Vice President, Pall Aeropower Corporation, 10540 Ridge Road, New Port Richey, FL 34654.

## FACILITY DESCRIPTION

The applicant operates the Pall Aeropower Corporation, which is located at 10540 Ridge Road, New Port Richey, FL 34654.

The existing facility consists of the following five emissions units:

Non-Halogenated VOC Cleaning Operations (EU 001)
Various volatile organic solvents, including petroleum ether, mineral spirits, heptane, and ethyl alcohol are used for cleaning activities (cold degreasing) associated with the production of aerospace, land, and marine filters and filtration devices. Jet fuel is used for testing fuel filters in test tanks. These activities generally take place in the assembly area and machine shop.

Paint Spray Booth (EU 003)
Manufactured aluminum alloy and stainless steel filters and filtration devices are painted (primers and topcoats) in a Col-Met Spray Systems Model ATR-EMD-24-PS Modified Down FINAL Pressurized paint spray booth (inside dimensions approximately 14' wide x 24' long x 9 ' tall). Particulate matter emissions due to paint overspray are controlled by dry filters.

Chromic Acid Anodizing Tank (EU 006)
This emissions unit is used to anodize aluminum parts. Emissions from the chromic acid anodizing tank are controlled by use of Zero-Mist™ surfactant (a wetting agent) which creates a layer of foam on the surface of the tank liquid. It also decreases the surface tension of the tank liquid. The foam blanket eliminates approximately 99% of the chromium mist air emissions.

Emergency Diesel Engine (EU 007)
This emissions unit is a 197 HP Kohler CI Diesel-Fired Emergency Engine and is subject to 40 CFR 63, Subpart ZZZZ. This emergency unit is expected to run for 75 hours/year that includes maintenance for 50 hours/year.

Emergency Spark Ignition Propane Fired Engine (EU 008)
This emissions unit is a 155 HP Kohler SI Propane-Fired Emergency Engine and is subject to 40 CFR 60, Subpart JJJJ. This emergency unit is expected to run for 75 hours/year that includes maintenance for 50 hours/year.

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

## PROJECT DESCRIPTION

The purpose of this permitting project is to replace the facility's existing non-Title V operation permit with a Title V operation permit for the above referenced facility.

## PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit received **07/30/2014**
Notice of Intent to Issue Air Permit issued **[Month day, year]** ***(To be determined)***
Public Notice Published **[Month day, year]** ***(To be determined)***

## 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 emissions units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility does operate emissions unit subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63. The Chromic Acid Anodizing Tank (EU 006) is subject to applicable provisions of 40 CFR 63 Subpart N – National Emission Standards for Hazardous Air Pollutants for chromium emissions from hard and decorative chromium electroplating and chromium anodizing tanks.

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 emissions units at the facility.

## PROJECT REVIEW

This project incorporates the provisions of Construction Permit No. 1010335-008-AC, which authorized an increase in the VOC allowable emissions from 40 tpy to 220 tpy, total HAPs allowable emissions from 10 tpy to less than 25 tpy, and limited individual HAPS allowable emissions to less than 10 tpy. As a result of the provisions of the construction permit, the facility status will change from a non-Title V to a Title V facility. This permit also adds an existing emergency diesel engine (EU No. 007) and an existing emergency spark ignition propane fired engine (EU No. 008) as regulated emissions units.

## CONCLUSION

This project is for a Title V air operation permit which replaces the facility's existing non-Title V Permit (Permit No. 1010335-006-AO). This 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.