Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

FINAL PERMIT

PERMITTEE

Flanders Electric Motor Service, Inc.
2701 S. Combee Road
Lakeland, FL 33803

Authorized Representative:
Mr. Billy Johns, Manager/Florida Operations

Air Permit No. 1050148-008-AF
Permit Expires: 08/24/2016
Federally Enforceable State Operating Permit (FESOP)
Project Name: Operation Permit Renewal

This is the final air operation permit, which authorizes the continued operation of an electric component repair facility and modification of Construction Permit 1050148-006-AC. The facility is located in Polk County at 2701 S. Combee Road in Lakeland, Florida (Standard Industrial Classification No. 7694). The UTM coordinates are Zone 17, 410.70 km East, and 3099.03 km North. As noted in the Final Determination provided with this final permit, no changes or only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida

_____ _____

Cindy Zhang-Torres, P.E. Effective Date
Air Permitting Manager
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on _____ to the persons listed below.

Mr. Billy Johns, Manager/Florida Operations
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Mr. James Thomas, Safety/Environmental Coordinator
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Mr. Kevin Golden, P.E.
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Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

_____ _____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The existing facility is a synthetic non-Title V electric component repair facility consisting of the following three (3) regulated emission units:

Facility ID No. 1050148	
ID No.	Emission Unit Description
001	Controlled Pyrolysis, Model VPI 885 3756, burn off oven (south)
002	Miscellaneous VOC/HAP Activities
003	Bayco, Model BB-360, burn off oven (north)

Project Description and Affected Units

This permit is to renew the operation permit for Emission Unit No. 002 – Miscellaneous VOC/HAP Activities and modify Construction Permit 1050148-006-AC. Specifically, the modification of Construction Permit 1050148-006-AC is to change regulated emission Unit Nos. 001 and 003 (burn off ovens north and south) to exempt emission units (see below), which includes deleting all specific condition requirements associated with the two (2) emission units. The project will then result in Emission Unit No. 002 as being the only regulated emission unit.

Facility ID No. 1050148	
ID No.	Emission Unit Description
002	Miscellaneous VOC/HAP Activities

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

Exempt Emission Units/Activities

- Sand blast/bead blast booth per Rule 62-4.040, F.A.C.
- Clean out room per Rule 62-4.040, F.A.C.
- Two aqueous parts washers (Steam Pit degreaser and Power Flame degreaser) each only heated with natural gas at a design maximum heat input rate of 0.4 MMBTU/hr. per Rule 62-210.300(3)(b)1., F.A.C.
- Two power flame evaporators for the steam pit each only fired with natural gas at a design maximum rate of 0.4 MMBTU/hr. per Rule 62-210.300(3)(b)1., F.A.C.
- Two bake ovens each only fired with natural gas at a maximum design rate of 0.8 MMBTU/hr. per Rule 62-210.300(3)(b)1., F.A.C.
- Three electrically heated bake ovens per Rule 62-210.300(3)(b)1., F.A.C.
- Controlled Pyrolsysis, Model VPE 885 3756, burn off oven (south) per Rule 62-210.300(3)(b)1., F.A.C.
- Bayco, Model BB-360, burn off oven (north) per Rule 62-210.300(3)(b)1., F.A.C.

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutants total hazardous air pollutants (THAPs) and volatile organic compounds (VOCs).

PERMIT HISTORY/AFFECTED PERMITS

- Renews Operation Permit1050148-007-AO
- Modifies Construction Permit 1050148-006-AC

SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District's Air Resource Management Section. The Southwest District's mailing address and phone number is:

   Florida Department of Environmental Protection
   Southwest District Office
   Air Resource Management Section
   13051 North Telecom Parkway
   Temple Terrace, Florida 33637-0926
   Telephone: 813-632-7600

   All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).

3. Appendices: The following Appendices are attached as part of this permit:

   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions; and
   d. Appendix D. Common Testing Requirements.

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
   [Rule 62-4.080, F.A.C.]

6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
   [Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Unconfined Emissions of Particulate Matter: In addition to the conditions in Appendix C., Condition 9., the following reasonable precautions shall be followed:

   a. Lawn & Ground Maintenance – Landscaping and planting grass in areas as necessary.

   b. Parking Areas – Application of water as needed.

   c. Paved and Unpaved Areas – As needed, application of water, the removal of particulate matter from paved areas, limit site access to vehicles, and vehicle speed limitations.

   [Rule 62-296.320(4)(c), F.A.C.; Construction Permit 1050148-006-AC]

8. Hours of Operation: The hours of operation of this facility are not restricted, 8,760 hours/year. [Rule 62-210.200(PTE), F.A.C.; Construction Permit 1050148-006-AC]

8. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
   [Rule 62-210.370(3), F.A.C.]

9. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:
   a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;
   b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
   c. copies of the most recent months of records/logs specified in Specific Condition No. A.4.

   [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

A. EU No. 002 – Miscellaneous VOC/HAP Activities

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	An exempt small sand blast/bead blast booth and clean out room are vented to a cartridge filter collector. The room and booth are used as necessary to clean the parts or motor cores in preparation for repairs. Emissions from the collector exhaust inside the building. A Safety Kleen degreaser and 2 exempt natural gas heated aqueous parts washers (degreasers) are also used to clean motor components before reassembly. The 2 parts washers are each only fired with natural gas at a design maximum heat input rate of 0.4 MMBTU/hr. Two (2) exempt natural gas fired power flame evaporators to evaporate water from the 2 parts washers operate and each is only fired with natural gas at a design maximum heat input rate of 0.4 MMBTU/hr. After rewinding or repairing, the windings may be coated with varnish, resins, or other sealing materials to help hold the windings in place and provide electric insulation. The coatings may be applied by immersion of the product in one of two dip tanks and/or 2 VPI tanks. The VPI tanks apply a vacuum to the tanks to remove air from between the windings followed by pressure to improve varnish impregnation through the windings. The tanks remain closed except for when the parts are dipping and draining. A paint booth with fiber filters is also available to paint repaired equipment on an as needed basis. The coated windings are then typically sent to three electrically heated bake ovens and/or two natural gas fired bake ovens to dry moisture out of the windings and/or cure the resins/coatings. The five bake ovens are exempt from permitting. An electrically heated tandem hot press is used to selectively cure resin in specific areas on some windings.

PERFORMANCE RESTRICTIONS

A.1. Reasonable Precautions to Prevent VOC and Organic Solvent (OS) Emissions: The permittee shall not store, pump, handle process, load, unload, or use in any process or installation, VOC's or OS's without applying know and existing vapor emission control devices or systems deemed necessary by the Department. Reasonable precautions and/or controls shall include the following:

a. All equipment, pipes, hoses, lids, fittings, etc., shall be operated and maintained in such a manner as to minimize leaks, fugitive emission, and spills of paints and solvent materials that contain VOC's and/or OS's.

b. All solvents from solvent washings that contain VOC's and/or OS's shall be directed into containers that prevent evaporation into the atmosphere.

[Rule 62-296.320(1), F.A.C.; Construction Permit 1050148-006-AC]

A.2. Safety Kleen Degreaser Solvent Limitations: In order to avoid the requirements of 40 CFR 63, Subpart T - National Emission Standards for Hazardous Air Pollutants for Halogenated Solvent Cleaning, the Safety Kleen degreaser shall not utilize the following solvents:

a. Methylene Chloride
b. 1,1,1 – Trichloroethane
c. Choroform
d. Perchloroethylene
e. Trichloroethylene
f. Carbon Tetrachloride

Note: Blended cleaning solvents must contain a total regulated solvent content below 5% by weight to be exempted from the regulation. To determine the solvent content, the permittee may contact the solvent vendor to obtain documentation, use Material Safety Data Sheets, or use EPA Test Method 18.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050148-006-AC]

EMISSIONS STANDARDS

A.3. Volatile organic compound (VOC) and Total Hazardous Air Pollutant (THAP) Emission Limitations: In order to avoid the Title V permitting requirements of Chapter 62-213, F.A.C., the permittee has synthetically requested the VOC and THAP emissions from this emissions unit comply with the following:

Pollutant	Maximum tons per any consecutive 12-month total period
VOC	5.0
THAP	5.0

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1050148-006-AC]

RECORDS

A.4. VOC and THAP Emission Recordkeeping Requirements: In order to document compliance with Specific Condition No. A.3., the permittee shall maintain monthly records for all VOC and/or HAP containing materials (coatings, paint, solvents, etc.), which shall contain at a minimum the following:

a. Facility ID No. (1050148) and DATE (Month/Year)

b. The name/identification of each material used.

c. The VOC content in each material used.

d. The amount of each material used for the month. (Note: At the permittee's option the assumption may be made that material purchases equal material usage, provided no materials are used that are not purchased.)

e. Calculate and record the tons of VOC emissions from each material (based on amount of material used and VOC content).

f. Calculate and record the tons of THAP emissions from each material (based on the total emissions of each individual HAP from the amount of materials used.)

g. Calculate and record the most recent consecutive 12-month period total of VOC emissions, in tons.

h. Calculate and record the most recent consecutive 12-month period total of THAP emissions, in tons.

Supporting documentation (MSDS sheets, "As Supplied" sheets, purchase orders, purchase records, inventory records, production records, etc.), which includes sufficient information to determine emissions shall also be kept. These records shall be completed by the end of the following month, recorded in a permanent form suitable for inspection by the Department upon request, and maintained at the facility for at least 3 years.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050148-006-AC]