Florida
Department of
Environmental
Protection
South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T.
Vinyard Jr.
Secretary

February 25, 2013

Mr. Bartley Conderman
Pall Aeropower Corporation
4245 Evans Avenue
Fort Myers, Florida 33901

Lee County - AP
Fort Myers, Florida Facility
DEP File No. 0710238-004-AC

Re: Project No. 0710238-004-AC
Pall Aeropower Corporation
Minor Air Construction Permit
REVISION to Construction Permit No. 0710238-001-AC
(For minor revision to Title V Air Operation Permit No. 0710238-003-AV)

Dear Mr. Conderman:

On February 11, 2013, the Department received an application requesting a minor revision to the existing Title V Operating Permit (0710238-003-AV) to eliminate the electric oven in the "Bubble Point Process Line" and replace it with a Phoenix Solar Dryer (which uses the heat from the sun), and replace the 180 cu. ft. oven in the "Resin Impregnation Process" with a Grieve oven Model TBH-500 (133 Cu. Ft. volume) and a Grieve oven Model WRC566-800 (297 Cu. Ft. volume). **It is noted that since there is no change in the filter product production rate or chemicals usage rates, there is no change in the amount of emissions as the result of these equipment changes.**

This facility is located in Lee County at 4245 Evans Avenue in Fort Myers, Florida. Enclosed are the following documents: the Technical Evaluation and Preliminary Determination; the Draft Permit and Appendices; the Written Notice of Intent to Issue Air Permit; and the Public Notice of Intent to Issue Air Permit. The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the project engineer, Carter B. Endsley, P.E., at (239) 344-5637.

Sincerely,

Executed in Fort Myers, Florida

February 25, 2013

Jon M. Iglehart
Director of District Management

(Date)

Enclosures

JMI/CBE/mf

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTH DISTRICT
P.O. BOX 2549
FORT MYERS, FL 33902-2549

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

In the Matter of an
Application for Air Permit by:

Pall Aeropower Corporation
4245 Evans Avenue
Fort Myers, Florida 33901

Authorized Representative:
Bartley Conderman,
Primary Responsible Official

Project No. 0710238-004-AC
Minor Air Construction Permit

Lee County, Florida

Pall Aeropower Corporation
Fort Myers Facility

Revision to Permit No. 0710238-001-AC and Title V Operating Permit No. 0710238-003-AV

Facility Location: Pall Aeropower Corporation operates the existing filter manufacturing plant, which is located in Lee County at 4245 Evans Avenue in Fort Myers, Florida.

Project: The applicant proposes to make a minor revision to the existing Title V Operating Permit (0710238-003-AV) to eliminate the electric oven in the "Bubble Point Process Line" (Emission Unit No. EU-001), and replace it with a Phoenix Solar Dryer (which uses the heat from the sun), and replace the 180 cu. ft. oven in the "Resin Impregnation Process" (Emission Unit No. EU-002), with a Grieve oven Model TBH-500 (133 Cu. Ft. volume) and a Grieve oven Model WRC566-800 (297 Cu. Ft. volume). **It is noted that since there is no change in the filter product production rate or chemicals usage rates, there is no change in the amount of emissions as the result of these equipment changes.**

Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Department of Environmental Protection's Air Resource Section in the South District Office is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33901. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is (239) 344-5600.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: (850) 245-2241). Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation

of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

Executed in Fort Myers, Florida

_____
Jon M. Iglehart
Director of District Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit) 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 February 25, 2013 to the persons listed below.

Mr. Bartley Conderman (bart_conderman@pall.com)
Jeff Wyant, (jeff_wyant@pall.com)
John B. Koogler, PhD., P.E. (jkoogler@kooglerassociates.com)
Pradeep Raval, P.E. (praval@kooglerassociates.com)
Ana Oquendo, EPA Region 4, (Oquendo.Ana@epa.gov)
Natasha Hazziez , EPA Region 4,(Hazziez.natasha@epa.gov).
Barbara Friday, DEP, (Barbara.Friday@dep.state.fl.us)

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.

February 25, 2013

_____ _____
(Clerk) (Date)

*** DRAFT PERMIT ***

Electronic Mail
Received Receipt Requested

PERMITTEE

Pall Aeropower Corporation
4245 Evans Avenue
Fort Myers, Florida 33901

Authorized Representative:
Bartley Conderman

Air Permit No. 0710238-004-AC
Permit Expires: DRAFT

Pall Aeropower Corporation
Fort Myers Facility

Revision to Permit No. 0710238-001-AC and Title V Operating Permit No. 0710238-003-AV

This is the final air construction permit, which authorizes Pall Aeropower Corporation to construct a minor revision to the existing Construction Permit No. 0710238-001-AC and Title V Operating Permit (0710238-003-AV) to eliminate the electric oven in the "Bubble Point Process Line" and replace it with a Phoenix Solar Dryer (which uses the heat from the sun), and replace the 180 cu. ft. oven in the "Resin Impregnation Process" with a Grieve oven Model TBH-500 (133 Cu. Ft. volume) and a Grieve oven Model WRC566-800 (297 Cu. Ft. volume). **It is noted that since there is no change in the filter product production rate or chemicals usage rates, there is no change in the amount of emissions as the result of these equipment changes.**

The proposed revision is be conducted at the Fort Myers Facility, which is a filter manufacturing plant (Standard Industrial Classification No. 3728). The facility is located in Lee County at 4245 Evans Avenue in Fort Myers, Florida. The UTM coordinates are Zone 17, 415.44 km East, and 2942.22 km North. As noted in the Final Determination provided with this final permit, 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
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 construction 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. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

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 Fort Myers, Florida

DRAFT

_____
Jon M. Iglehart
Director of District Management

Enclosures

JMI/CBE/mf

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) 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. Bartley Conderman (bart_conderman@pall.com)
Jeff Wyant, (jeff_wyant@pall.com)
John B. Koogler, PhD., P.E. (jkoogler@kooglerassociates.com)
Pradeep Raval, P.E. (praval@kooglerassociates.com)
Ana Oquendo, EPA Region 4, (Oquendo.Ana@epa.gov)
Natasha Hazziez , EPA Region 4,(Hazziez.natasha@epa.gov).
Barbara Friday, DEP, (Barbara.Friday@dep.state.fl.us)

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 facility performs a manufacturing process that 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. Various chemicals are used in the manufacturing process that contain VOCs and HAPs.

The permitted emission units consist of two (2) process lines, which are defined as "Post Impregnation" and "Bubble Point". Each process line is identified as an emission unit. The "Bubble Point" process is Emission Unit (EU) No. 001 and the Post Impregnation" process is Emission Unit (EU) No. 002. Each process contains a group of process or production units that have at least one (1) definable emission point.

The cumulative potential emissions (PTE) for the "Bubble Point" 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 "Post Impregnation" line, 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 allowed combined potential to emit (PTE) of VOCs for the facility is limited to 200 tons/year.

NOTE: 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).

This facility is subject to applicable federal provisions regarding air quality as established by the EPA and included in sections of Title 40 in the Code of Federal Regulations (CFR). This facility is considered a Major Source of Pollutants Other than HAPs, and is defined as a **Title V facility**.

The existing facility consists of the following emissions units.

Facility ID No. 0710238

ID No.	Emission Unit Description
001	Bubble Point Process Line
002	Post Impregnation Process Line

Proposed Project

This is a minor revision to the existing Title V Operating Permit (0710238-003-AV) to eliminate the electric oven in the "Bubble Point Process Line" (Emission Unit EU-001) and replace it with a Phoenix Solar Dryer (which uses the heat from the sun), and replace the 180 cu. ft. oven in the "Resin Impregnation Process" (Emission Unit EU-002) with a Grieve oven Model TBH-500 (133 Cu. Ft. volume) and a Grieve oven Model WRC566-800 (297 Cu. Ft. volume). **It is noted that since there is no change in the filter product production rate or chemicals usage rates, there is no change in the amount of emissions as the result of these equipment changes.**

This project will modify the following emissions units.

Facility ID No. 0710238	
ID No.	**Emission Unit Description**
001	Bubble Point Process Line
002	Post Impregnation Process Line

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 a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority: The permitting authority for this project is the South District Air Resource Management Division, Florida Department of Environmental Protection (Department). The South District's mailing address is P.O. Box 2549, Fort Myers, Florida 33902-2549. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office. The mailing address and phone number of the South District Office is: P.O. Box 2549, Fort Myers, Florida 33902-2549 and (239) 344-5600.

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;

   d. Appendix I. List of Insignificant Emissions Units and/or Activities.

   e. Appendix RR. Facility-Wide Reporting 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.

   NOTE: 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).

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: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C.]

8. Application for Air Operation or Title V Permit: This permit authorizes construction (revision) of the permitted emissions units and initial operation to determine compliance with Department rules. Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee has applied for a revised Title V air operation permit.

B. EU Group Description

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Bubble Point Process Line
002	Post Impregnation Process Line

EU 001 Bubble Point Process Line

Emissions are generated from processes used for "Bubble Point" testing of filter elements. ***This 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

(Max. stack exit temperature is 85 degrees F.) There is No pollution control equipment. Emissions are routed thru stack or wall vents. Maximum allowable annual rate of VOCs for this emission unit is 160 tons/year. Compliance is determined by calculated material balances and emission factors for products used, record keeping, and reporting requirements. The permittee has provided Material Safety Data Sheets (MSDS), with the permit application, for each chemical or product used in the process. These also include the product emission factors as defined in original construction permit No. 0710238-001-AC dated May 23, 2006

EU 002 Post Impregnation Process Line

This process (Resin impregnation) process uses Ethyl Alcohol and Ethyl Acetate in the operation, and includes timed air cure, 330 degree F. electric cure ovens. (Max. stack exit temperature is 85 degrees F.) ***This 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.

There is No pollution control equipment. Emissions are routed thru stack or wall vents. Maximum allowable annual rate of VOCs for this emission unit is 40 tons/year. Compliance is determined by calculated material balances and emission factors for products used, record keeping, and reporting requirements. The permittee has provided Material Safety Data Sheets (MSDS), with the permit application, for each chemical or product used in the process. These also include the product emission factors.

{Permitting note(s): These emissions units are regulated under the provisions of Florida Statues, and Florida Administrative Code Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297, 62-4, and NESHAP - 40 CFR 63, Subpart GG.

1. Permitted Capacity. The process/production rate is not limited.
   [Rules 62-4.160(2), and 62-210.200(PTE), F.A.C.]

2. Method of Operation. The facility uses some automation and some manual operations to transport component parts from warehousing and through the various stages of cleaning, 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. Timed air cure and oven curing including solar drying, are used in the process. Powder coating is performed at the facility. Various chemicals are used in the manufacturing process that contain VOCs and HAPs. There is No pollution control equipment and missions are routed thru stack or wall vents. Emissions assurance compliance is determined by calculated material balances and emission factors for products used, record keeping, and reporting requirements.

3. Hours of Operation. The hours of operation for this emissions unit shall not exceed 6000 hours. (24 hours/day, 5days/week, 50 weeks/year). (Requested in electronic permit application, version 3, dated 01/11/2006).
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

4. **Emission Limitations and Standards**
(Note: Emissions are unchanged and remain the same as defined on the original construction permit No. 0710238-001-AC issued May 26, 2006)

Emissions limitations: (Compliance by record keeping and calculated by use of material balance and emission factors). Potential to emit. (PTE)

Emission Unit EU001:

H115, emissions not to exceed 7.0 tons/year (fugitive emissions 0.7 ton/year).
H123, emissions not to exceed 2.0 tons/year (fugitive emissions 0.2 ton/year).
VOC, emissions no to exceed 160 tons/year (fugitive emissions 15 ton/year).

Emission Unit EU002:

H115, emissions not to exceed 1.0 ton/year (fugitive emissions 0.1 ton/year).
VOC, emissions not to exceed 40 tons/year (fugitive emissions 4 tons/year).

VOC Emissions: Emissions of volatile organic compounds (VOCs) from the entire facility shall not exceed 200 tons/year. (per any 12 – consecutive month period).
[Rule 62-210.200 (Potential to Emit), F.A.C.: as requested in construction permit application, version 3, submitted electronically on 01/11/2006]

5. Objectionable Odor Prohibited. The Permittee shall not cause, suffer, allow, or permit the discharge of air Pollutants, which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

6. Circumvention: The owner or operator shall not circumvent the air pollution control equipment or compliance plan, or allow the emission of air pollutants without this equipment operating properly.
[Rule 62-210.650, F.A.C.]

7. Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, storing or handling, without taking reasonable precautions to prevent such emissions. Reasonable precautions may include but are not limited to the following:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.

d. Removal of particulate matter from roads and other paved areas under control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting vegetation
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.

[Rule 62-296.320,F.A.C.]

8. Discharges: There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
[Rule 62-4.070(3), F.A.C.]

9. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying know and existing vapor emission control devices or systems deemed necessary and ordered by the Department. All equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such a manner as to minimize leaks, fugitive emissions, and spills of solvent materials.
[Rule 62-296.320, F.A.C.]

Test Methods and Procedures

10. 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). (See Record Keeping, Specific Condition No. 11, below:)

Record Keeping and Reporting Requirements

Record Keeping and Reports.

11. Compliance with the VOC and HAP emission limitations defined in Specific Conditions No. 4 (above), shall be maintained on a monthly log. Monthly entries into the log are to include the usage of all VOC and HAP containing materials used in the processes. At a minimum, the log should contain a) the facility name and facility I.D. No. 0710238, b) Month and year of record, c) Quantity used of each VOC and HAP containing material (gallons or pounds), d) Using the material density and VOC/HAP content (% by weight from the MSDS sheets or manufacturers data), a calculation of the monthly total VOC/HAP emissions for each material product, and e) A calculation of the total VOC and total of the HAP emissions for the most recent twelve (12) month period.

All required records for this facility shall be kept for the most recent five (5) year period and made available to the Department upon request.

12. **Record Format.**

(a) The permittee must maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). The permittee can keep the records offsite for the remaining 3 years.

(d) The permittee may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

[40 CFR §63.5920]

13. **Annual Operating Report**

An annual operating report (DEP Form 62-210.900(5) shall be completed each year and submitted to the Department by April 1st of the following year.
[Rules 62-4.070(3) and 62-210.370(3)(a)4, F.A.C.]

14. **Changes/Modifications:**

The owner or operator shall submit to the Department, for review, any changes in, or modifications to: the method of operations, process or pollution control equipment, increase in hours of operation, equipment capacities, or any change which would result in an increase in potential/actual emissions.

Depending upon the size and scope of the modification, it may be necessary to submit an application for, and obtain, an air construction permit modification prior to making the desired change. Routine maintenance of equipment will not constitute a modification of this permit.
[Rule 62-4.030, 62-210.300 and 62-4.070(3), F.A.C.]

Plant Operation – Problems.

15. If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the owner or operator shall notify the Department as soon as possible, but at least within (1) working day, excluding weekends and holidays. The notification shall include: Pertinent information as to the cause of the problem; the steps being taken to correct the problem and prevent future recurrence; and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit and the regulations.
[Rule 62-4.130, F.A.C.]

16. **Material Identification & Data Sheet Reference**

The permittee has provided the following listing of applicable Material Safety Data Sheets (MSDS) associated with the permit application:

Product Name	Manufacturer Product Code
Acidbrite 50 2541000	
Plating Line Colors	
Yellow Hybrid	PH93104
Sand Polyester	PPPL9275E
Hybrid Yellow (cat)	PH93205
Blue Epoxy	PE91294
White Epoxy	PE91294
Silver Vein	PPS98609
Gold	PH9856
Black	PUT3911
Komatsu Black	3100E90233.7BA1
Corvel Sand	U 1555-4 8038
Silk Screening Process:	
Multi-Graphic	U.V. (NVP Free) D40
Lacquer Thinner	GA12784
Anodize Line:	
Nitric Acid NITRICVC	
Aluminum Fiery Red ML Pdr	102263
Aluminum Green LWN Pdr	102264
Sanodye MF Violet 3D	132100
Sanodal Deep Black MLW Pdr	102257
Sanodal Blue 2LW Powder	104800
Sanodal Blue 2LW Gran	198048
Anodal SH1 FL	102710
Oakite 160 1600	
Oakite Aluminum Cleaner	3180
	Oakite Deoxidizer LNC 3850
Oakite HPO	4405
Sulfuric Acid 50%	N/A
Turco 4215 NC-LT	M5573

17. **Listing of Insignificant Activities**

The permittee has provided the following listing of Insignificant Activities that pertain to the facility for consideration for a Title V permit:

a. Alcohol Recycling
b. Anodize Process Line
c. Braze Shop
d. Element Flame Endcapping
e. Engineering Test Lab

f. Forklift Operation
g. Oil Evaporator
h. Aqueous Parts Washer
i. Pl-Alcohol Recycling
j. Plating Line
k. Powder Coat Room
l. Red Resin Endcapping
m. Weld Shop
n. Silk Screening

General Conditions:

18. An integral part of this permit is the attached 15 General Conditions.
[Rule 62-4.160, F.A.C.]

Contents

Appendix A. Citation Formats and Glossary of Common Terms

Appendix B. General Conditions

Appendix C. Common Conditions

Appendix D. Common Testing Requirements

Appendix I. List of Insignificant Emissions Units and/or Activities.

Appendix RR. Facility-Wide Reporting Requirements

NOTE: . Aerospace NESHAP

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).

CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: "AC" identifies the permit as an Air Construction Permit
"AO" identifies the permit as an Air Operation Permit
"123456" identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: "099" represents the specific county ID number in which the project is located

"2222" represents the specific facility ID number for that county

"001" identifies the specific permit project number

"AC" identifies the permit as an air construction permit

"AF" identifies the permit as a minor source federally enforceable state operation permit

"AO" identifies the permit as a minor source air operation permit

"AV" identifies the permit as a major Title V air operation permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

"FL" means that the permit was issued by the State of Florida

"317" identifies the specific permit project number

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (DEP database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO_2: carbon dioxide

COMS: continuous opacity monitoring system

Citation Formats and Glossary of Common Terms

DARM: Division of Air Resource Management

DEP: Department of Environmental Protection

Department: Department of Environmental Protection

dscf: dry standard cubic feet

dscfm: dry standard cubic feet per minute

EPA: Environmental Protection Agency

ESP: electrostatic precipitator (control system for reducing particulate matter)

EU: emissions unit

F.A.C.: Florida Administrative Code

F.A.W.: Florida Administrative Weekly

F.D.: forced draft

F.S.: Florida Statutes

FGD: flue gas desulfurization

FGR: flue gas recirculation

Fl: fluoride

ft^2: square feet

ft^3: cubic feet

gpm: gallons per minute

gr: grains

HAP: hazardous air pollutant

Hg: mercury

I.D.: induced draft

ID: identification

kPa: kilopascals

lb: pound

MACT: maximum achievable technology

MMBtu: million British thermal units

MSDS: material safety data sheets

MW: megawatt

NESHAP: National Emissions Standards for Hazardous Air Pollutants

NO_X: nitrogen oxides

NSPS: New Source Performance Standards

O&M: operation and maintenance

O_2: oxygen

Pb: lead

PM: particulate matter

PM_{10}: particulate matter with a mean aerodynamic diameter of 10 microns or less

ppm: parts per million

ppmv: parts per million by volume

ppmvd: parts per million by volume, dry basis

QA: quality assurance

QC: quality control

PSD: prevention of significant deterioration

psi: pounds per square inch

PTE: potential to emit

RACT: reasonably available control technology

RATA: relative accuracy test audit

RBLC: EPA's RACT/BACT/LAER Clearinghouse

SAM: sulfuric acid mist

scf: standard cubic feet

scfm: standard cubic feet per minute

SIC: standard industrial classification code

SIP: State Implementation Plan

SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

SO_2: sulfur dioxide

TPD: tons/day

TPH: tons per hour

TPY: tons per year

TRS: total reduced sulfur

UTM: Universal Transverse Mercator coordinate system

VE: visible emissions

VOC: volatile organic compounds

General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or

Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (not applicable);

    b. Determination of Prevention of Significant Deterioration (not applicable); and

    c. Compliance with New Source Performance Standards (not applicable).

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

    c. Records of monitoring information shall include:

        (1) The date, exact place, and time of sampling or measurements;

        (2) The person responsible for performing the sampling or measurements;

        (3) The dates analyses were performed;

        (4) The person responsible for performing the analyses;

        (5) The analytical techniques or methods used;

        (6) The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]

4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]

6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

9. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]

11. Emissions Computation and Reporting:

    a. *Applicability*. This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

b. *Computation of Emissions*. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

(1) Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.

(a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.

(b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C, but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(2) Continuous Emissions Monitoring System (CEMS).

(a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:

1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or

2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.

(b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:

1) A calibrated flow meter that records data on a continuous basis, if available; or

2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

(c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.

(3) Mass Balance Calculations.

(a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:

1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and

2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.

(b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.

(c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.

(4) Emission Factors.

a. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.

1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.

3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.

b. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.

(5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.

(6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.

(7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.

(8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

c. *Annual Operating Report for Air Pollutant Emitting Facility*

(1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:

a. All Title V sources.

b. All synthetic non-Title V sources.

c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.

d. All facilities for which an annual operating report is required by rule or permit.

(2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.

(3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.

(4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.

(5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.
[Rule62-210.370(3),F.A.C.