Florida Department of
Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

*Electronically Sent- Received Receipt Requested*

**DRAFT PERMIT**

**PERMITTEE**

U.S. Air Force – Patrick Air Force Base
45 SW/CC, 1201 Edward H. White II Street
Patrick AFB, Florida 32925-3299

Authorized Representative:
Robert J. Pavelko, Colonel, USAF, Vice Commander

Air Permit No. 0090021-011-AC
Permit Expires: 12/31/2013
Site Name : Patrick Air Force Base (PAFB)
Major Source Air Construction Permit
Project Name: Spray Booth Replacement

This is the final air construction permit, which authorizes modification of Emission Unit No. 039 with the replacement of a spray booth. The proposed work will be conducted at the Patrick Air Force Base (PAFB), Building 630 (Standard Industrial Classification No. 9711). The facility is located in Brevard County at 45 CES/CEAN, 1224 Jupiter Street, MS 9125 in Patrick Air Force Base, Florida. The UTM coordinates are Zone 17, 538.21 km East, and 3124.81 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and 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. 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 Orange County, Florida

***DRAFT***

_____ September 28, 2012

Caroline D. Shine Date
District Air Program Administrator
Central 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 September 28, 2012 to the persons listed below.

Colonel Robert J. Pavelko, PAFB **(45swcce@patrick.af.mil)**
Ms. Kim K. Scroggs, PAFB **(kim.scroggs@patrick.af.mil)**
Dr. Mitchell Jay Hait, P.E., Mitchell J. Hait, Ph.D., P.E., Inc. **(haitinc@gmail.com)**
Ms. Ana Oquendo, EPA Region 4 **(oquendo.ana@epamail.epa.gov)**
Ms. Barbara Friday, DEP BAR **(barbara.friday@dep.state.fl.us)** (for posting with U.S. EPA, Region 4)

Clerk Stamp

**FILED**, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

DRAFT

_____ September 28, 2012

## FACILITY AND PROJECT DESCRIPTION

### Patrick Air Force Base

Patrick Air Force Base is a military facility that contains steam boilers, surface coating operations equipped with dry filters, a blast booth, and petroleum storage tanks.

The existing facility consists of the following emissions units.

| Facility ID No. 0090021 | |
|---|---|
| ID No. | Emission Unit Description |
| 002 | Bldg. 314 (P314EC1), Boiler No. 1, Central Heat Plant |
| 003 | Bldg. 314 (P314EC2), Boiler No. 2, Central Heat Plant |
| 018 | Bldg. 1380 (P1380EC1), Boiler No. 1 |
| 019 | Bldg. 1380 (P1380EC2) , Boiler No. 2 |
| 032 | Two Gasoline Storage Tanks |
| 036 | Bldg. 511 (P511PB1), Spray Booth No. 1 |
| 037 | Bldg. 511 (P511PB2), Spray Booth No. 2 |
| 039 | Bldg. 630 (P630PB1), Spray Booth No. 4 |
| 040 | Bldg. 331 (P331PB1), Spray Booth No. 5 |
| 041 | Bldg. 313 (P313PB1), Spray Booth No. 6 |
| 043 | Eleven Jet Fuel Storage Tanks (PASJP1); Six Diesel/Biodiesel Storage Tanks (PASDJP1) |
| 054 | Bldg. 313, DLM Spray Booth |
| 055 | Bldg. 313, Abrasive Blast Booth |

### Project Description and Affected/Proposed Emission Unit

This project will modify Emission Unit 039 and involves the replacement of an existing spray booth. The permittee has indicated in the application that the project will be a direct replacement of the spray booth and there will be no changes to the current conditions contained in PAFB's Title V Air Operation Permit.

This project will modify the following emission unit.

| Facility ID No. 0090021 | |
|---|---|
| ID No. | Emission Unit Description |
| 039 | Bldg. 630 (P630PB1), Spray Booth No. 4 |

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

## 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.

## PERMIT HISTORY/AFFECTED PERMITS

New Construction Permit for spray booth replacement project.

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

   Florida Department of Environmental Protection
   Central District Office
   Air Resource Management Section
   3319 Maguire Blvd., Ste. 232
   Orlando, FL 32803-3767
   Telephone: 407-897-4100

   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 Central District 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. 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.]

8. Application for Title V Air Operation Permit: This permit authorizes construction or modification of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Title V air operation permit is required for continued operation of the permitted emissions unit(s). The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Title V air 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. copies of the most recent compliance test reports required by Specific Condition No. **A.5**, if not previously submitted;

   d. copies of the most recent two months of records/logs specified in Specific Condition No(s). **A.11**.

   The application shall be submitted to the Permitting Authority.

   [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. Bldg. 630 (P630PB1), Spray Booth No. 4

This section of the permit addresses the following emissions unit.

| ID No. | Emission Unit Description |
|---|---|
| 039 | Bldg. 630 (P630PB1), Spray Booth No. 4 |

### PERFORMANCE RESTRICTIONS

A.1. Permitted Capacity. The consecutive twelve month amount of HAP containing materials shall be limited to the amount that equates to the specified **facility-wide** HAP emissions limitations of less than 22.0 tons per any consecutive twelve months of combined HAPs and less than 8.0 tons per any consecutive twelve months of any single HAP. [Rule 62-210.200, (PTE), F.A.C; Operation Permit 0090021-010-AV]

A.2. Hours of Operation. These emissions units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

### EMISSIONS STANDARDS

A.3. 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, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). [Rule 62-296.320(b)1.]

A.4. VOC Emissions. The total permitted VOC emission rate from the paint booths and general solvent usage listed as part of Subsection A. Surface Coating Operations and Blasting Booth contained in Title V Air Operation Permit No. 0090021-010-AV shall not exceed 47.0 tons per any consecutive twelve months, updated monthly. [Rule 62-210.200, (PTE), F.A.C.; Title V Air Operation Permit No. 0090021-010-AV]

### TESTING REQUIREMENTS

A.5. Initial Compliance Tests: The emissions unit shall be tested to demonstrate initial compliance with the emissions standard for visible emissions. The initial test shall be conducted no later than 90 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

A.6. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.7. Test Method: Required tests shall be performed in accordance with the following reference method.

| Method(s) | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources |

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.401, F.A.C.]

## NOTIFICATION REQUIREMENTS

A.8. Test Notification: The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

A.9. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 039, no later than five (5) business days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C. and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

## RECORDS AND REPORTS

A.10. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310(8), F.A.C.]

A.11. Monthly Recordkeeping Requirement. In order to demonstrate compliance with Specific Conditions No. **A.1.** and **A.4.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded. The log, at a minimum, shall contain the following:

Monthly
a. Date (month/year);
b. Consecutive twelve-month total of VOC emissions; and
c. Consecutive twelve-month total of single and combined HAP emissions.

**Monthly logs shall be completed by the end of the following month.**

Note: A consecutive 12 month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12 month totals using whatever number of months of data are available until such a time as a consecutive 12 month total can be maintained each month.
[Rules 62-4.070(3), F.A.C.]

A.12. Supporting Documentation. Supporting documentation, such as Material Safety Data Sheets, purchase orders, etc., shall be kept which includes sufficient information to determine compliance. The log and documents shall be kept at the facility for at least five (5) years and made available to the Department upon request. [Rules 62-4.070(3), F.A.C.]