

STATEMENT OF BASIS

Title V Air Operation Permit Renewal and Revision Permit No. 0090021-010-AV

APPLICANT

The applicant for this project is United States Air Force. The applicant's responsible official and mailing address are:

Anthony J. Cotton, Brigadier General, USAF Commander
United States Air Force, Patrick AFB
45 SW/CC, 1201 Edward H. White II Street
Patrick AFB, Florida 32925-3299

FACILITY DESCRIPTION

The applicant operates Patrick AFB, which is located at 45 CES/CEAN, 1224 Jupiter Street, MS 9125, Patrick AFB, Florida.

This is a military facility that contains the following air emission units:

- a) Fuel Oil Fired Steam Boilers as follows **(newly added per this renewal and revision)**:
 - Bldg. 3656 (P3656EC1), Boiler No. 1
 - Bldg. 632 (P632EC1), Boiler No. 1
 - Bldg. 691 (P691EC1), Boiler No. 1
 - Bldg. 3659 (P3659EC1), Boiler No. 1
- b) Surface Coating Operations and Abrasive Blast Booth as follows:
 - Bldg. 511 (P511PB1), Spray Booth No. 1
 - Bldg. 511 (P511PB2), Spray Booth No. 2
 - Bldg. 630 (P630PB1), Spray Booth No. 4
 - Bldg. 331 (P331PB1), Spray Booth No. 5
 - Bldg. 324 (P324PB1), Spray Booth No. 6
 - Bldg. 313, DLM Spray Booth
 - Bldg. 313, Abrasive Blast Booth
- c) Storage Tanks
 - Eleven (11) Jet Fuel Storage Tanks (PASJP1); Six (6) Diesel/Biodiesel Storage Tanks (PASDJP1)
 - Two (2) Gasoline (including ethanol/gasoline blends) Storage Tanks (PASMOG1) with Stage I Vapor Recovery System
- d) (32) Internal Combustion Engines as follows **(newly added per this renewal and revision)**:
 - (7) New Source Emergency Generators
 - (21) Existing Source Emergency Generators
 - (4) Existing Source Emergency Generators included in Florida Power and Light (FPL) Demand Response Program

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

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PROJECT DESCRIPTION

The purpose of this permitting project is to renew and revise the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Renewed Title V Air Operation Permit issued **October 08, 2007**

Air Construction Permit issued **September 28, 2011**

Application for a Title V Air Operation Permit Revision and Renewal received **September 15, 2011**

Additional Information Request dated **October 18, 2011**

Additional Information Response received **February 23, 2012**

Application complete **February 23, 2012**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

- 40 CFR 60, Subpart A, NSPS General Provisions
- 40 CFR 60, Subpart IIII, Stationary Compression Ignition (CI) Internal Combustion Engines
- 40 CFR 60, Subpart JJJJ, Stationary Spark Ignition (SI) Internal Combustion Engines

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

- 40 CFR 63, Subpart A, NESHAP General Provisions
- 40 CFR 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE)
- 40 CFR 63, Subpart CCCCCC, Gasoline Dispensing Facilities
- 40 CFR 63, Subpart JJJJJJ, Industrial, Commercial, and Institutional Boilers

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

PROJECT REVIEW

Changes made as a result of this renewal and revision are as follows:

- (1) Reformatting to reflect new Title V permit template; moved EU 055 under Subsection A.;**

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- (2) The addition to EU 032 with the Stage I Vapor Recovery System and modification of the E-85 storage tank authorized by Air Construction Permit No. 0090021-009-AC;
- (3) Removal of four steam boilers (i.e., emissions units (EU) 002, 003, 018, and 019);
- (4) Addition of four fuel oil-fired steam boilers (i.e., Bldg. 3656 (P3656EC1), Boiler No. 1, Bldg. 632 (P632EC1), Boiler No. 1, Bldg. 691 (P691EC1), Boiler No. 1, and Bldg. 3659 (P3659EC1), Boiler No. 1) under Subsection C.;
- (5) Additional requirements applicable to gasoline dispensing operations were added to the permit under Subsection B.;
- (6) Addition of three (3) new EUs to cover the 32 ICEs, mentioned above, subject to Federal NSPS and NESHAP requirements under Subsection D.; and
- (7) Various changes and additions to Appendix I-1, List of Insignificant Emissions Units and/or Activities.

CONCLUSION

This project renews and revises Title V Air Operation Permit No. 0090021-007-AV, which was issued on October 08, 2007. This Title V air operation permit renewal and revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.