Title V Air Operation Permit Renewal/ Revision
Permit No. 0310215-047-AV

APPLICANT

The applicant for this project is Department of the Navy, Naval Air Station, Jacksonville. The applicant's responsible official and mailing address are: Roy C. Undersander, Captain- Department of the Navy, Naval Air Station, Jacksonville, P. O. Box 2, Jacksonville, FL 32212.

FACILITY DESCRIPTION

The applicant operates the Naval Air Station, Jacksonville, which is located at 6801 Roosevelt Blvd., Jacksonville, Florida.

The purpose of this permit is to renew and to revise the Title V air operation permit for the above referenced facility and to incorporate Administrative Corrected Permit Nos. 0310215-043-AV, 0310215-046-AV, 40 CFR 63, Subpart ZZZZ, 40 CFR 60, Subpart IIII, 40 CFR 60, Subpart JJJJ and 40 CFR 63, Subpart DDDDD.

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

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

Application for a Title V Air Operation Permit Renewal received 10/18/2013.
Additional Information Request dated 10/29/2013.
Additional Information Response received 11/1/13.
Notice of Intent to Issue Air Permit issued 01/03/14.
Public Notice Published 01/16/14.

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility **is** 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** 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.

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

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

Below is a brief description of any changes that were made as part of this renewal (i.e. reformatting, replacement of TV-6 with new Appendix TV, streamlining of EU sections by moving common conditions to the new appendices, etc.). Numerically list a discussion of the reasons for the changes being made as part of this project, followed by the conditions(s) being changed. Show the changes in the condition with a ~~strikethrough format~~ for deletions and a double underline format for additions.

1. Combined coating usage limitation for EU011 and EU111 under a combined ~~CAP~~ estimated maximum usage of paints and solvents of 28,000 gal/yr.

2. EU056 Aircraft Paint Stripping and Cleaning, Hangar 101S: Estimated maximum usage of HAP and other non-HAP containing stripping solutions and cleaning solvents is changed from ~~80,000 gallons per year~~ to 50,000 gallons per year.

3. EU086 Paint Spray Booth, Bldg 101S. Combined ~~CAP~~ over EUs 093, 094 and 086: The estimated maximum usage of paints and solvents for EU Nos. 086, 093 and 094 combined is 21,900 gal/yr.

4. 087-Steam Plant A, (EC047, EC048, EC049), Bldg 85.

5. 087-Steam Plant A, (EC047, EC048, EC049), Bldg 85. This EU consists of ~~five~~ three Kewanee steam generating boilers.

6. 087-Steam Plant A, (EC047, EC048, EC049), Bldg 85. Deleted all references to A-4 and A-5 (they are now a part of the insignificant list).

7. Steam Plant C (EC052, EC053, EC054), Bldg 86.

8. Steam Boiler F-2 (EC056), Bldg. 88.

9. EU093 Binks Paint Spray Booth: Combined ~~CAP~~ over EUs 093, 094 and 086: The estimated maximum usage of paints and solvents for EU Nos. 086, 093 and 094 combined is 21,900 gal/yr.

10. EU111 Paint Spray Booth, ~~Hanger~~ 124 Hangar 124.

11. EU113 Abrasive Blasting Booth No. 1.

12. EU114 Abrasive Blasting Booth No. 2.

13. EU115 Steam Boiler No. F-1 (EC055), Bldg. H2032.

14. EU116 Abrasive Blasting Booth.

15. NEX Gas Station Gasoline Dispensing Facilities (GDF) is now a permitted emissions unit EU119:

EU No.	**Brief Description**
-119	Gasoline Dispensing Facilities, NEX Bldg 429. (FS023- two tanks 10,000 ASTs, FS027- one 10,000 AST).

EU Description: This gas station has a monthly throughput > 20,000 gallons per month and is located in an area designated as an air quality maintenance area for ozone.

{This EU is regulated under Rule 62-252.300(1)(a), F.A.C.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

PP.1. This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

PP.2. Prohibition. No owner or operator of a gasoline dispensing facility subject to the provisions of this section shall transfer or cause or allow the transfer of gasoline from any gasoline cargo tank into any stationary storage tank located at any such gasoline dispensing facility unless the stationary storage tank is equipped for submerged filling and the vapors displaced from the storage tank during filling are processed by a Stage I vapor recovery system in accordance with subsection 62-252.300(3), F.A.C.

[Rule 62-252.300(2), F.A.C.]

16. Added 40 CFR 63 Subpart DDDDD to the applicable boilers.

EU No.	Brief Description
EU072 & EU076	Boilers
EU087	Steam Plant A
EU088	Steam Plant C
EU089	Steam Boiler No. F-2
EU115	Steam Boiler No. F-1
EU126	Boilers Subject to 40 CFR 63 Subpart DDDDD
EU127	Boilers Subject to 40 CFR 63 Subpart DDDDD

BOILER MACT REQUIREMENTS

40 CFR 63, Subpart DDDDD- National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.

SS.1. Compliance with this subpart:

Existing boiler or process heater, must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).

[40 CFR 63.7495(b)]....

17. Added EUs for Emergency Engines subject to Subparts 40 CFR 63, Subpart ZZZZ, 40 CFR 60, Subpart IIII and 40 CFR 60, Subpart JJJJ:

JJ. EU120 > 500 hp Existing Emergency Stationary CI IC Engines
KK. EU121 > 500 hp New Emergency Stationary CI IC Engines
LL. EU122 < 500 hp Existing Emergency Stationary CI IC Engines
MM. EU123 Subpart IIII Emergency Stationary CI ICE Pre-2007 Engines
NN. EU124 Subpart IIII Emergency Stationary CI ICE 2007 and after Engines
OO. EU125 Subpart JJJJ Emergency Stationary SI ICE 2007 and after Engines

The total green house gas emissions (GHG) PTE for the facility are:

GHG Totals (PTE)			
Totals By Emission Source (tons)			
Internal Combustion Engines			
CO_2	CH_4	N_2O	CO_{2e}
2,724.6379	0.1100	0.0219	2,733.7502
External Combustion Engines			
CO_2	CH_4	N_2O	CO_{2e}
121,680.8178	2.4535	0.2750	121,817.5795
Fire Fighting			
CO_2	CH_4	N_2O	CO_{2e}
6.7114	0.0003	0.0001	6.7386
Engine Testing			
CO_2	CH_4	N_2O	CO_{2e}
1830.3307	0.0786	0.0157	1836.8559
Totals By Pollutant (tons)			
CO_2	CH_4	N_2O	CO_{2e}
126,242.4979	**2.6424**	**0.3127**	**126,394.9242**

CONCLUSION

This project renews and revises the Title V Air Operation Permit No. 0310215-042-AV for the above referenced facility and to incorporate Administrative Corrected Permit Nos. 0310215-043-AV, 0310215-046-AV, add subparts 40 CFR 63, Subpart ZZZZ, 40 CFR 60, Subpart IIII, 40 CFR 60, Subpart JJJJ and 40 CFR 63, Subpart DDDDD.

Title V Air Operation Permit No. 0310215-042-AV was issued on April 7, 2011. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.