TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Department of the Navy
Naval Air Station, Jacksonville
P.O. Box 2
Jacksonville, FL 32212-1002

Draft Permit No.: 0310215-028-AC
County: Duval

B. PROJECT

The applicant, Department of the Navy, Naval Air Station, Jacksonville, applied on June 19, 2007, to the Department for a permit to modify blast booth (EU No. 015) located in Building 101. The modification allows the blasting of aerospace components in this booth and also allows the addition of corn starch, plastic and similar materials as abrasives in the booth. The Naval Air Station is located at 6500 Roosevelt Blvd, Jacksonville, FL 32212. The facility emits criteria pollutants and hazardous air pollutants.

II. RULE APPLICABILITY

The facility is located in an area unclassifiable for the air pollutant particulate matter less than or equal to ten (10) micrometers; is located in the area of influence of an air quality maintenance area for particulate matter, is located in an air quality maintenance area for the pollutant ozone (volatile organic compounds), and is located in an attainment area for all other criteria pollutants, pursuant to Rule 62-204, Florida Administrative Code (FAC), and Jacksonville Environmental Protection Board (JEPB), Rule 2.201.

The facility is a major source of air pollution because the potential emissions of regulated criteria air pollutants are equal to or greater than 100 tons per year and the potential emissions of Hazardous Air Pollutants (HAP) are equal to or greater than 10 tons per year for a single HAP and equal to or greater than 25 tons per year for total HAPs in accordance with Rule 62-210, FAC, and JEPB Rule 2.301.

The facility is major for purposes of Prevention of Significant Deterioration. The modification of the existing abrasive blasting booth will not require a Best Available Control Technology Determination because there is not a significant pollutant increase associated with the modification.

III. TECHNICAL EVALUATION

Emission Unit ID No.	Brief Description	Control Device
015	Abrasive Blasting Booth,	Cartridge baghouse in series with HEPA filter

The modification allows the abrasive blasting of aircraft components in this booth. The blasting operation is subject to the requirements of 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 of Subpart GG and Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]. Particulate matter and inorganic HAP is controlled through the use of a cartridge baghouse in series with a HEPA filter to comply with the control technology requirements and emission limitations of these regulations.

The estimated maximum airflow rate for EU 015 is 15,250 dscfm.

IV. CONCLUSION

Based upon information provided by the Department of the Navy, Naval Air Station, Jacksonville, the Environmental Resource Management Department, Environmental Quality Division has reasonable assurance that the modification of the abrasive blasting booth (EU No. 015) located in Building 101 at the Naval Air Station, Jacksonville, as described in this evaluation, and subject to the conditions proposed herein, will not cause, or contribute to a violation of any ambient air quality standard or other technical provision of Chapters 62-296 and 62-297, FAC, JEPB Rules 2.1001 and 2.1101.