

STATEMENT OF BASIS

**DEPARTMENT of the NAVY
NAVAL AIR STATION, JACKSONVILLE
Facility ID No.: 0310215
Duval County**

**Title V Air Operation Permit Revision
Proposed Permit Project No.: 0310215-029-AV
Revision to Title V Air Operation Permit No. 0310215-027-AV**

The initial Title V Air Operation Permit No. 0310215-007-AV was effective on July 11, 2000. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (FS), and Florida Administrative Code (FAC) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

This permit revision is for the purpose of incorporating the terms and conditions of Air Pollution Source Construction Permit No. 0310215-024-AC [Paint Spray Booth, Hangar 1000, Fleet Readiness Center Southeast (FRCSE) Shop 51A, (for EU No. 107 only)] into the Title V Air Operation Permit for the Department of the Navy, Naval Air Station, Jacksonville. EU No. 107 [Paint Spray Booth, Hangar 1000, FRCSE Shop 51A] has been modified. Compliance has been determined.

The Naval Air Station, Jacksonville, is a large base occupying about 3400 acres. Over 70 commands are housed at the station. Air pollutant emissions may be categorized as belonging to one of three major organizations, which are described below:

1. Naval Air Station (NAS) provides training of aircraft crews and commands. NAS supports fleet and shore based personnel. NAS maintains and operates facilities. NAS provides services and materials to support operation of the aviation activities. Air pollutant emitting activities associated with this organization primarily result from operation and maintenance of military aircraft which are currently organized into three wings. Each wing consists of several squadrons.

PATRECONWING-11---Patrol airplane squadrons (P3 aircraft), P3 training squadron, reserve squadron

HSWINGSLANT---Helicopter squadrons

SEACONWINGLANT ---Squadrons of S3 jet aircraft

These squadrons perform organizational level maintenance on the aircraft. Intermediate level of maintenance is performed at the FRCSE

2. The Public Works Department (PWD) maintains support facilities, such as the boiler plants and other utilities. Air pollution activities are primarily from combustion of fuels in boilers. PWD contracts facility maintenance operations with an outside contractor.

3. The FRCSE performs in-depth maintenance, repair, and rework of naval aircraft, engines, components, accessories, and ground support equipment. Air pollution activities at the FRCSE include surface coating of aircraft and aircraft components, de-painting operations, chrome electroplating operation, solvent cleaning operations, abrasive blasting operations, and engine testing. Other miscellaneous operations are also performed.

Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

Abrasive Blasting Operations

<u>EU ID No.</u>	<u>Brief Description</u>
015	Glass Bead Blaster Blast Booth, Bldg. 101
064	Aluminum Oxide Abrasive Blast Booth, Bldg. 794
065	Glass Bead Abrasive Blast Booth, Bldg. 794
066	Plastic Media Abrasive Blast Booth, Bldg. 794
012	Plastic Media Abrasive Blasting and Surface Coating Operation, Hangar 122
070	Plastic Media and Steel Grit Abrasive Blast Booth, Bldg. 200
077	Plastic Media Abrasive Blast Booth No. 1, Bldg. 101
078	Plastic Media Abrasive Blast Booth No. 2, Bldg. 101
103	Three Abrasive Blast Rooms, Bldg. 794
105	Plastic Media Abrasive Blasting Booth, Bldg. 101S

Steam Generating Boilers

071	Boiler No. 1, 300 HP Johnston Boiler Co., Bldg. H-2032
072	Boiler No. 2, 300 HP Johnston Boiler Co., Bldg. H-2032
076	Boiler No. 3, 300 HP Johnston Boiler Co., Bldg. H-2032
079	Small Boilers with Heat Output Greater Than or Equal to 1 MMBtu per Hour and Heat Input Less Than 10 MMBtu per Hour
087	Steam Plant A, Bldg. 85
088	Steam Plant C, Bldg. 86
089	Steam Plant F, Bldg. 88
090	Steam Plant G

Furnaces

013	Warwick Aluminum Furnace, Bldg. 840
014	Warwick Kirksite Furnace, Bldg. 840

Chrome Plating Operation

043	Chrome Plating Shop, Bldg. 794
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Plasma Coating Operation

062	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794
063	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794
102	Two HVOF Spray Booths (Nos. 6 & 7), Bldg. 794

Surface Coating Operations

080	Five Paint Spray Booths, Bldg. 794
011	Aircraft Painting Hangar, Bldg. 868
081	One Paint Booth and One Sanding Booth, Bldg. 101U
082	Paint Spray Booth, Hangar 101W
083	Paint Spray Booth, Bldg. 190
052	Bearing Shop, Bldg. 101
056	Aircraft Paint Stripping Hangar 101S
084	Fugitive VOC and HAP Emissions from Organizational and Intermediate Level Aircraft Maintenance Activities
085	Fugitive VOC and HAP Emissions from Paints and Solvents issued from FRCSE Supply Locker
086	Paint Spray Booth, Hangar 122
093	Binks Paint Booth
094	Two Paint booths known as the Wing Room and the Dope Room
106	Paint Spray Booth, Bldg. 724, FRCSE Shop 430
107	Paint Spray Booth, Hangar 1000, FRCSE Shop 51A

Concrete Batching Operations

110	Concrete Batching Plant(s)
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Note: Please reference the Permit No., Facility ID No., and appropriate Emission Unit ID No(s)., on all correspondence, test report submittal, applications, etc.

Compliance Assurance Monitoring (CAM) requirements do not apply to any EUs at this facility.

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

Based upon the initial Title V permit application received on June 13, 1996 this facility is a major source of hazardous air pollutants (HAPs).