# STATEMENT OF BASIS

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

**Title V Air Operation Permit Revision**
**FINAL Permit Project No.: 0310215-041-AV**
**Revision to Title V Air Operation Permit No. 0310215-040-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 Chapters 62-4, 62-210 and 62-213, Florida Administrative Code (FAC). 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 is for the purpose of revising Title V Air Operation Permit No. 0310215-040-AV by removing the housing operations from Title V Permit No. 0310215-040-AV. Family housing operations potentially open to the general public which are owned and maintained by a private lessee on the installation and which are not under the direct control of the installation commander, are excluded from the group of emissions units that define the Facility. Family housing operations generally fall under NAICS code 561790 (Other Services to Buildings and Dwellings). Family housing operations excluded from air pollution sources of Naval Air Station, Jacksonville are located on leased portions of the installation as represented on the map in Appendix Housing Operations. Notwithstanding the above, individual emissions units that are owned and operated by the installation in the leased area remain as part of the Facility and are included in this permit. There are two insignificant emission units owned and operated by the installation within the housing operations area that are listed in Appendix Housing Operations. These two insignificant emission units, EU ID Nos. IC 141 and IC144, are both 25 kW backup generators for sewage lift stations.

The Naval Air Station (NAS), Jacksonville Complex, is located in Duval County, in the northeastern sector of Florida. This naval base occupies about 3400 acres along the west bank of the St. Johns River. The base is approximately 30 miles inland from the Atlantic Ocean and 13 miles south of downtown Jacksonville. The main gate to the base can be accessed at about 3 miles north of the intersection of U.S. Highway 17 (US 17) and Interstate 295 (I-295) on US 17 (also known as Roosevelt Boulevard). Although the NAS complex consists of over 115 individual commands, for the purpose of this permit air pollutant emissions may be categorized as belonging to one of three major organizations as follows:

Air pollutant emissions may be categorized as belonging to one of three major organizations, which are described below:

1. NAS provides training of aircraft crews and commands, supports fleet and shore based personnel, maintains and operates facilities, and provides services and materials to support operation of the aviation activities. Air pollutant emitting activities associated with NAS primarily result from operation and maintenance of military aircraft.

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

3. The Fleet Readiness Center Southeast (FRCSE) is a merger of the former Naval Air Depot, an organization that has been in operation since 1940 performing in-depth (Level 3) maintenance, repair and rework of naval aircraft, and the former Aircraft Intermediate Maintenance Division, which performed intermediate (Level 2) maintenance and repair of naval aircraft and ground support equipment, into one organization. With over 4,000 employees it occupies more than 50 buildings in over 102 acres at the east end of NAS and along the primary runway. FRCSE personnel perform in-depth and intermediate level maintenance, repair, and rework of naval aircraft, engines, components, accessories, and ground support equipment. Most of the air pollutant emitting activities at the NAS Jacksonville complex are located within FRSCE, and consist of activities such as aircraft surface coating and depainting operations, solvent use operations, a chrome electroplating facility, abrasive blasting operations, engine testing, intermediate maintenance of military aircraft, corrosion control, and aircraft engine repair.

Intermediate level maintenance performed by FRSCE consists of several divisions that perform various maintenance activities:

a. The 400 Division performs maintenance on aircraft engines.
b. The 500 Division is responsible for airframes maintenance.
c. The 600 Division performs maintenance on aircraft electronic equipment.
d. The 700 Division performs maintenance on aircraft weapons and ordnance systems.
e. The 800 Division maintains life support equipment on the aircraft.
f. The 900 Division performs maintenance on aircraft ground support equipment.

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

## Abrasive Blasting Operations

| EU ID No. | Brief Description |
|---|---|
| 015 | Abrasive Blasting Booth, Bldg. 101 |
| 064 | Abrasive Blasting Booth, Bldg. 794 |
| 065 | Abrasive Blasting Booth, Bldg. 794 |
| 066 | Abrasive Blasting Booth, Bldg. 794 |
| 070 | Abrasive Blasting Booth, Bldg. 200 |
| 103 | Three Abrasive Blasting Booths, Bldg. 794 |
| 105 | Abrasive Blasting Booth, Hangar 101S |
| 113 | Abrasive Blast Booth No. 1, Bldg. 101 |
| 114 | Abrasive Blast Booth No. 2, Bldg. 101 |

## Steam Generating Boilers

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| 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 | Note: Now listed as an Insignificant EU |

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| 087 | Steam Plant A, Bldg. 85 |
| 088 | Steam Plant C, Bldg. 86 |
| 089 | Steam Plant F, Bldg. 88 |
| 090 | Steam Plant G |
| 115 | Boiler No. F-1, Bldg. H2032 |

## Chrome Plating Operation

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| 043 | Chrome Plating Shop, Bldg. 794 |

## Plasma Coating Operation

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| 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

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|---|---|
| 080 | Five Paint Spray Booths, Bldg. 794 |
| 011 | Aircraft Painting Hangar, Bldg. 868 |
| 081 | One Paint Booth and One Sanding Booth, Bldg. 101U |
| 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 Level (Squadrons) Aircraft Maintenance Activities |
| 085 | Fugitive VOC and HAP Emissions from Paints and Solvents used at FRCSE |
| 086 | Paint Spray Booth, Bldg 101S |
| 093 | Binks Paint Booth |
| 094 | Two Paint Spray Booths |
| 106 | Paint Spray Booth, Bldg. 724, FRCSE Shop 430 |
| 107 | Paint Spray Booth, Hangar 1000, FRCSE Shop 51A |
| 111 | Paint Spray Booth, Hanger 124 |
| 112 | Paint Spray Booth, Bldg. 101W |

## Concrete Batching Operations

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| 110 | Concrete Batching Plant(s) |

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 Title V permit application received on August 4, 2010 this facility is a major source of Hazardous Air Pollutants (HAPs).