

**DEPARTMENT OF THE NAVY  
NAVAL AIR STATION, JACKSONVILLE**

FACILITY ID NO.: 0310215

DUVAL COUNTY

TITLE V AIR OPERATION PERMIT REVISION

PROPOSED PERMIT REVISION NO.: 0310215-029-AV

REVISION TO TITLE V AIR OPERATION PERMIT NO.: 0310215-027-AV

PERMITTING AND COMPLIANCE AUTHORITY

ENVIRONMENTAL AND COMPLIANCE DEPARTMENT  
ENVIRONMENTAL QUALITY DIVISION  
117 WEST DUVAL STREET, SUITE 225  
JACKSONVILLE, FL 32202  
TELEPHONE: (904) 630-4900  
FAX: (904) 630-3638

**TITLE V AIR OPERATION PERMIT REVISION  
PROPOSED PERMIT NO.: 0310215-029-AV**

**Table of Contents**

<b>Section</b>	<b>Page Number</b>
Placard Page .....	1
I. Facility Information .....	2 - 4
A. Facility Description .....	
B. Summary of Emission Unit ID Nos. and Brief Descriptions .....	
C. Relevant Documents .....	
II. Facility Wide Conditions .....	4 - 7
III. Emission Units and Descriptions .....	7 - 47
IV. Special Conditions for EU Nos. 087 through 090 .....	
Appendix DO .....	
Appendix CO .....	
Appendix PT .....	
Best Available Control Technology (BACT) Determinations .....	
Operation and Maintenance Plans .....	
Appendix I-1, List of Insignificant Emission Units and/or Activities .....	
Appendix U-1, List of Unregulated Emission Units and/or Activities .....	
Appendix LR-1, Local Rule Index .....	
Appendix TV-6, TITLE V CONDITIONS .....	
Appendix SS-1, STACK SAMPLING FACILITIES .....	
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers .....	
Appendix H-1, Permit History .....	
Table 1-1, Summary of Air Pollutant Standards and Terms .....	
Table 2-1, Summary of Compliance Requirements .....	

ENVIRONMENTAL AND COMPLIANCE DEPARTMENT



**Permittee:**

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

**Proposed Permit No.:** 0310215-029-AV

**Facility ID No.:** 0310215

**SIC No.:** 37

**Project:** Title V Air Operation Permit Revision

This permit is for the purpose of revising Title V Air Operation Permit No. 0310215-027-AV. This aircraft operations and rework facility is located at 6500 Roosevelt Blvd., Jacksonville, Duval County, FL.; UTM Coordinates: Zone 17, 434.2 km East and 3342.8 km North; Latitude: 30° 13' 00" North and Longitude: 81° 41' 01" West.

This Title V Air Operation Permit 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 Environmental and Compliance Department, Environmental Quality Division (Department), in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Best Available Control Technology Determinations  
Appendix I-1, List of Insignificant Emission Units and/or Activities  
Appendix U-1, List of Unregulated Emission Units and/or Activities  
APPENDIX TV-6, TITLE V CONDITIONS  
APPENDIX SS-1, STACK SAMPLING FACILITIES  
Appendix DO  
Appendix PT  
Appendix CO

**Revision Date:**

**Effective Date:** 27-APR-2005

**Permit Renewal Application Due Date:** 01-FEB-2009

**Expiration Date:** 31-JUL-2009

**Environmental and Compliance Department  
Environmental Quality Division**

---

**Vincent A. Seibold, P.E.,  
Division Chief**

VAS/JW

## Section I. Facility Information

### Subsection A. Facility Description

The Naval Air Station, Jacksonville, is a large base occupying about 3400 acres. Approximately 115 tenant 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 Fleet Readiness Center Southeast (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 also 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.

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

### Subsection B. 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	Abrasive Blast Booth, Bldg. 794
066	Plastic Media Abrasive Blast Booth, Bldg. 794
070	Plastic Media and Steel Grit Abrasive Blast Booth, Bldg. 200

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

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. 952  
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

### **Chrome Plating Operation**

043 Chrome Plating Shop, Bldg. 794

### **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/Solvent Use/Paint Stripping 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)

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

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

### **Subsection C. Relevant Documents**

The documents listed below are not a part of this permit, however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

Appendix LR-1, Local Rule Index

Statement of Basis

These documents are on file with the permitting authority:

Title V Permit Revision Application received December 20, 2007

## **Section II. Facility Wide Conditions**

The following conditions apply facility wide:

1. Appendix TV-6, Title V Conditions, is a part of this permit.

Permitting Note: Appendix TV-6, Title V Conditions, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested, or otherwise appropriate.

2. Prevention of Accidental Releases (Section 112(r) of CAA).

- a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center  
Post Office Box 1515  
Lanham-Seabrook, MD 20703-1515  
Telephone: (301) 429-5018

and,

- b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.

[40 CFR 68]

3. Insignificant Emission Units and/or Activities Appendix I-1, List of Insignificant Emission Units and/or Activities, is a part of this permit.

[Rule 62-213.440(1), FAC, Rule 62-213.430(6), FAC, and Rule 62-4.040(1)(b), FAC; Rule 2.501, JEPB, and Rule 2.1301, JEPB]

4. Unregulated Emission Units and/or Activities Appendix U-1 List of Unregulated Emission Units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), FAC, and Rule 2.501, JEPB]

5. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.

The permittee shall allow no person to store, pump, handle, process, load, unload, or use any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.

[Rule 62-296.320(1)(a), and Rule 2.1001, JEPB]

6. General Particulate Emission Limiting Standards. General Visible Emissions Standard.

Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Reference Method 9, shall be the compliance method. Testing shall be required, upon request from the Department.

[Rule 62-296.320(4)(b)1., FAC, Chapter 62-297, FAC, Rule 2.1001, JEPB, and Rule 2.1101, JEPB]

7. Permittee shall notify the Department fifteen (15) days prior to Emission Unit (EU) testing.

[Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, JEPB]

8. Copies of the test report(s) shall be submitted to the Department within forty-five (45) days of completion of testing.

[Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

9. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then the EUs may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.

[Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

10. Control equipment shall be provided with a method of access that is safe and readily accessible.

[Rule 62-4, FAC, and Rule 2.1301, JEPB]

11. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, FAC, and Rule 2.501, JEPB]

12. The **Annual Statement of Compliance** required by 40 CFR 70.6, Rule 62-213.440(3), FAC and Rule 2.501, JEPB shall be due on or before March 1 each year covering the period for the previous calendar year. {See Condition No. 51, Appendix TV-4, Title V Conditions}

[40 CFR 70.6, Rule 62-213.440, FAC and Rule 2.501, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

13. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.  
[Rule 62-210.700, FAC, and Rule 2.201, JEPB]

14. The permittee shall submit all compliance related notifications and reports required of this permit to:

Environmental and Compliance Department  
Environmental Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, FL 32202  
Telephone: 904/630-4900  
Fax: 904/630-3638

15. Any reports, data, notification, certifications, and requests required to be sent to the United States Environmental Protection Agency, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxics Management Division  
Air and EPCRA Enforcement Branch  
61 Forsyth Street  
Atlanta, GA 30303  
Telephone: 404/562-9155  
Fax: 404/562-9163

16. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), FAC and Rule 2.1301, JEPB, any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, FAC, shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.  
[Rule 62-213.420(4), FAC, and Rule 2.501, JEPB]

17. It is noted that limited spray application of coatings containing inorganic HAP(s) is performed in Air Rework Hangars 30, 101, 101W, 113, 114, 115, 116, 117, 123, 124, and 140 and 1000. The application is limited to areas of the aircraft (primarily the inside of wings) which are not accessible until after the exterior of the aircraft has been coated with primer and/or topcoat. This spray application is exempt from 40 CFR 63.745(g) (1 through 3) in accordance with 40 CFR 63.745(g)(4). See Appendix U-1, EU 096, Aerospace NESHAP Exempt Inorganic Coating Activities.



18. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.201, JEPB, and Rule 2.1301, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in a **permit, rule, or order**; reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1)  
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

**The following Facility-wide conditions are not federally enforceable**

19. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited.

The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

20. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and Jacksonville Environmental Protection Board (JEPB), Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

21. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.

### **Section III. Emission Unit(s) and Conditions**

#### **Abrasive Blasting Operations**

##### **Emission Unit No. 015-Large Abrasive Blaster, Bldg. 101**

Application No. R04

Emission Unit Description: Abrasive blasting and cleaning of metal components is conducted using glass beads as blast media.

Particulate Matter (PM) control device: Baghouse with an estimated maximum airflow rate of 15,250 dry standard cubic feet per minute.

#### **Emission Limitations and Standards**

1. The maximum process rate of abrasive blast material to the blaster shall be 3400 pounds per hour (lbs/hr).  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate a maximum of 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [3.92 lbs/hr and 8.15 Tons Per Year (TPY)].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. Visible Emissions (VE) shall be limited to five (5) percent (%) opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of April 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

#### **Record-keeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 064-Aluminum Oxide Abrasive Blast Booth, Bldg. 794**

Application No. R02

Emission Unit Description: Abrasive blasting of aircraft components is conducted using aluminum oxide as the abrasive blasting media.

PM control device: Clemco Baghouse Model Number (M/N) LBL0257 with an estimated maximum airflow rate of 6400 dscfm.

#### **Emission Limitations and Standards**

1. The maximum process rate of aluminum oxide to the blasting operation shall be 2700 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [1.65 lbs/hr and 3.42 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of June 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

#### **Record-keeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 065 - Abrasive Blast Booth, Bldg. 794**

Application No. R02

Emission Unit Description: Abrasive blasting of aircraft components is conducted using glass beads plastics, and/or similar materials as the abrasive blasting media.

PM control device: Torit Baghouse M/N 3DF-24 with an estimated maximum airflow rate of 11,000 dscfm

#### **Emission Limitations and Standards**

1. The maximum process rate of abrasives to the blasting operation shall be 1900 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [2.83 lbs/hr and 5.88 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of June 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

#### **Record-keeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 066-Plastic Media Abrasive Blast Booth, Bldg. 794**

Application No. R02

Emission Unit Description: Abrasive blasting of aircraft components is conducted using plastic media as the abrasive blasting media.

PM control device: Torit Baghouse M/N 3DF-24 with an estimated maximum airflow rate is 11,000 dscfm

#### **Emission Limitations and Standards**

1. The maximum process rate of plastic media to the blasting operation shall be 700 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [2.83 lbs/hr and 5.88 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of June 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

#### **Record-keeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 070-Plastic Media and Steel Grit Abrasive Blast Booth, Bldg. 200**

Application No. R01

Emission Unit Description: Abrasive blasting of aircraft components is conducted using plastic media and steel grit as the abrasive blasting media.

PM control device: Pulse Jet Cartridge Type Dust Collector with an estimated maximum airflow rate is 15,950 dscfm.

#### **Emission Limitations and Standards**

1. The maximum process rate of plastic media to the blasting operation shall be 1000 lbs/hr. The maximum process rate of steel grit to the blasting operation shall be 3200 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [4.10 lbs/hr and 8.53 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of November 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

#### **Record-keeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 077-Plastic Media Abrasive Blasting Booth No. 1**

Application No. R05

Emission Unit Description: Abrasive blasting of aircraft components, including wings and stabilizers, is conducted using plastic media as the abrasive blasting media. Located in Building 101.

PM/Inorganic HAP control device: Pulse Jet Type Cartridge Dust Collector/Baghouse with an estimated maximum airflow rate of 12,000 dscfm

#### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously i.e.: 8760 hours per year.  
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Emission Limitations and Standards**

2. The maximum process rate of plastic media to the blasting operation shall be 3000 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

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] shall apply to this emission unit.

4. PM emissions shall be limited to 0.03 gr/dscf [3.09 lbs/hr and 13.51 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
6. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.  
[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
7. The owner/operator shall only perform the repainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.  
[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
8. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.  
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Test Methods and Procedures**

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum testing time shall be 30 minutes. VE testing shall be conducted annually from the date of April 1, 2005.  
[Rule 62-297.401, FAC, Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 25 dry standard cubic feet.  
[Rule 62-297.310(7)(b), FAC, Rule 62-297.401, FAC, Rule 62-297.310(4)(b), FAC, and Rule 2.1101, JEPB]
11. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

**Record-keeping and Reporting Requirements**

12. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]
13. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.  
[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
14. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.  
[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
15. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to depaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected  
[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
16. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:
  - (a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
  - (b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
  - (c) Periods of Malfunction:
    - (A) Equipment or technique which malfunctioned
    - (B) Date that the malfunction occurred
    - (C) Description of the malfunction
    - (D) Methods used to depaint aerospace vehicles during the malfunction
    - (E) Dates that the alternative methods were begun and discontinued



**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

- (F) Date that the malfunction was corrected
- (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

- (d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted
- (e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[Applicant's Request, 40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

- (a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
- (b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Department with the semi-annual reports required above.

[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

19. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

#### **General Provisions Applicability to Subpart GG**

20. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

#### **Emission Unit No. 078-Plastic Media Abrasive Blasting Booth No. 2**

Application No. R05

Emission Unit Description: Abrasive blasting of aircraft components, including wings and stabilizers, is conducted using plastic media as the abrasive blasting media. Located in Building 101.

PM control device: Pulse Jet Type Cartridge Dust Collector/Baghouse with an estimated maximum airflow rate is 12,000 dscfm

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously i.e.: 8760 hours per year.  
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Emission Limitations and Standards**

2. The maximum process rate of plastic media to the blasting operation shall be 3000 lbs/hr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

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] shall apply to this emission unit.

4. PM emissions shall be limited to 0.03 gr/dscf [3.09 lbs/hr and 13.51 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
6. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.  
[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
7. The owner/operator shall only perform the depainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.  
[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
8. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.  
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Test Methods and Procedures**

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum testing time shall be 30 minutes. VE testing shall be conducted annually from the date of April 1, 2005.  
[Rule 62-297.401, FAC, Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
10. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 25 dry standard cubic feet.  
[Rule 62-297.310(7)(b), FAC, Rule 62-297.401, FAC, Rule 62-297.310(4)(b), FAC, and Rule 2.1101, JEPB]
11. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

**Record-keeping and Reporting Requirements**

12. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]
13. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.  
[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
14. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.  
[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
15. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to repaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected  
[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
16. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:
  - (a) Identification of any 24 hour period where organic HAP were emitted from the repainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

- (b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
- (c) Periods of Malfunction:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to depaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected
  - (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures
- (d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted
- (e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[Applicant's Request, 40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:
- (a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
  - (b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Department with the semi-annual reports required above.
- [Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

19. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.
- [Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

#### **General Provisions Applicability to Subpart GG**

20. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

**Emission Unit No. 103 - Three Abrasive Blasting Booths in Bldg. 794**

Emissions Unit Description: Three abrasive blasting booths use aluminum oxide, glass beads, or plastic as the blasting media. Blasting will be used to clean aircraft engine and landing gear parts prior to plating. Other aircraft components may also be cleaned using abrasive blast media in these booths. Emission Control Device: Each blast booth is equipped with a reclaim cyclone to recover reusable blasting media. Separated discharge air is vented to an individual small dust collector (12 cartridges for PM control) located beside each blast room, which pre-treats discharge air. Each of the small dust collectors is vented to a single large dust collector (70 cartridges for PM control) located outside of the building. Cleaned air from the large dust collector is vented through a discharge stack, which contains a 0.3 micron HEPA PM final filter. Estimated discharge airflow rate is 20,000 cubic feet per minute. 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 to Subpart GG, shall apply to this emission unit.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e. 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum charging rate to the blasting system (three booths total) is 24,634.18 tons per year of abrasive blasting media.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

3. Visible Emissions (VE) shall be limited to a maximum opacity of 5%.  
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]
4. PM emissions shall be limited to a maximum of 0.95 tons per year and 0.22 pounds per hour.  
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.  
[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
6. The owner/operator shall only perform the repainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.  
[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
7. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.  
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Test Methods and Procedures**

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum testing time shall be 30 minutes.  
[Rule 62-297.401, FAC, Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
9. VE testing shall be conducted annually from the date of June 1, 2003.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
10. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 25 dry standard cubic feet.  
[Rule 62-297.310(7)(b), FAC, Rule 62-297.401, FAC, Rule 62-297.310(4)(b), FAC, and Rule 2.1101, JEPB]
11. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

**Record-keeping and Reporting Requirements**

12. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.  
[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
13. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.  
[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
14. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to depaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected  
[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
15. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:
  - (a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
  - (b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed

(c) Periods of Malfunction:

- (A) Equipment or technique which malfunctioned
- (B) Date that the malfunction occurred
- (C) Description of the malfunction
- (D) Methods used to repaint aerospace vehicles during the malfunction
- (E) Dates that the alternative methods were begun and discontinued
- (F) Date that the malfunction was corrected
- (G) All periods when the repainting operation was not shut down during a malfunction and/or when the repainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

(d) A list of new and discontinued aircraft models repainted at the facility over the last 6 months and a list of the parts normally removed for repainting for each new aircraft model being repainted

(e) If the repainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[Applicant's Request, 40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

16. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

- (a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
- (b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Department with the semi-annual reports required above.

[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

18. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

**General Provisions Applicability to Subpart GG**

19. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

**Emission Unit No. 105 – Plastic Media Abrasive Blast Booth, Hangar 101S**

Emission Unit Description: Abrasive blast booth using plastic media as an abrasive material

Particulate matter control device: Cartridge Fabric Filter

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 to Subpart GG, shall apply to this emission unit.

**Essential Potential to Emit (PTE) Parameters**

1. The nominal airflow is estimated at 257,400 dscfm.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. Abrasive blasting media use shall be limited to 3494.4 tons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB, Applicant's Request]
3. This EU shall be allowed to operate 4160 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB, Applicant's Request]
4. PM and PM<sub>10</sub> emissions shall be limited to 3.0 pounds per hour and 6.24 tons per year. Note: Compliance with the PM limitation demonstrates compliance with the PM<sub>10</sub> limitation.  
[Applicant's request, Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent (%) opacity.  
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]
6. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.  
[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
7. The owner/operator shall only perform the repainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.  
[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
8. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.  
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Test Methods and Procedures**



9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum testing time shall be 30 minutes.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
10. VE testing shall be conducted annually from the date of June 1, 2003.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
11. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM emission rate. The minimum sample volume shall be 30 dry standard cubic feet.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
12. PM testing shall be conducted every five years from the date of June 1, 2003.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

**Recordkeeping and Reporting Requirements**

13. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.  
[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
14. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.  
[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
15. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to depaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected  
[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
16. For spot stripping and decal removal the owner/operator shall keep records of the volume of organic HAP containing chemical stripper or weight of organic HAP used, the average annual volume of organic HAP containing chemical stripper or weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations.  
[40 CFR 63.752(e)(6), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
17. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:
  - (a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

- (b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
- (c) Periods of Malfunction:
  - (A) Equipment or technique which malfunctioned
  - (B) Date that the malfunction occurred
  - (C) Description of the malfunction
  - (D) Methods used to depaint aerospace vehicles during the malfunction
  - (E) Dates that the alternative methods were begun and discontinued
  - (F) Date that the malfunction was corrected
  - (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures
- (d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted
- (e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:
    - (a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
    - (b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures
- [40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
19. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Department with the semi-annual reports required above.  
[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]
  20. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.  
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

#### **General Provisions Applicability to Subpart GG**

21. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.  
[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

## **Steam Generating Boilers**

### **Emission Unit No. 071-Boiler No. 1 [Bldg. 952]; Emission Unit No. 072-Boiler No. 2 [Bldg. H2032], and Emission Unit No. 076- Boiler No. 3 [Bldg. H2032]**

Application No. R08

Emission Unit Description: EU 071, Boiler No. 1---300 HP Johnston Boiler Co. M/N PFTA 300-4  
EU 072, Boiler No. 2---300 HP Johnston Boiler Co. M/N PFTA 300-4  
EU 076, Boiler No. 3---300 HP Johnston Boiler Co. M/N PFTA 300-4

### **Emission Limitations and Standards**

1. Each EU---Maximum heat input shall be limited to  $13 \times 10^6$  Btu per hour while firing natural gas or No. 2 fuel oil. No. 2 fuel oil may be fired during natural gas curtailment or during emergency conditions. No. 2 fuel oil may be combusted a maximum of 400 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. These EUs shall be allowed to operate continuously; i.e.: 8760 hours per year.  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]
3. Fuels which may be fired are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]
6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to this EU.

### **Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.
8. VE compliance testing on each EU shall be conducted every 12 months from the date of January 31, 2003. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 225 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]
9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

### **Record-keeping and Reporting Requirements**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

10. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Department.  
[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

**Emission Unit No. 079-Small Boilers with Heat Output Greater Than or Equal to 1 MMBtu Per Hour and Heat Input Less Than 10 MMBtu Per Hour**

Application No. R12

Emission Unit Description: Small boilers with a heat output greater than or equal to 1 MMBtu per hour and heat input less than 10 MMBtu per hour fired by natural gas or No. 2 fuel oil.

**Essential Potential to Emit (PTE) Parameters**

1. These EUs shall be allowed to operate continuously; i.e.: 8760 hours per year.  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. Each boiler heat input shall be limited to less than 10 MMBtu per hour while firing natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. Fuels which may be fired are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]

**Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE compliance testing shall be performed upon request of the Department. The test shall be a minimum of one (1) hour in length while firing fuel oil.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]
8. Fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Method D 2622-94 SULFUR IN PETROLEUM PRODUCTS (X-RAY SPECTROGRAPHIC METHOD)  
[Rule 62-297.440(1)(i), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 087-Steam Plant A, Bldg. 85**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

**Emission Unit Description:** This EU consists of five steam generating boilers. All boilers are manufactured by Kewanee Boiler Manufacturers.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year (each boiler).  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The maximum heat input for each boiler shall be limited as follows:

<b><u>Boiler No.</u></b>	<b><u>MM Btu Per Hour (Natural Gas)</u></b>	<b><u>MM Btu Per Hour (Fuel Oil)</u></b>
A-1	31.4	30.3
A-2	31.4	30.3
A-3	31.4	30.3
A-4	3.3	3.2
A-5	3.3	3.2

[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. Fuels, which may be fired, are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]
6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to Boiler nos. A-1, A-2, and A-3.

**Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.
8. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2001. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 225 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

**Recordkeeping and Reporting Requirements**

10. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Department.  
[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

**Emission Unit No. 088-Steam Plant C, Bldg. 86**

Emission Unit Description: This EU consists of three steam generating boilers. All boilers are manufactured by Kewanee Boiler Manufacturers.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year (each boiler).  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The maximum heat input for each boiler shall be limited as follows:

<b><u>Boiler No.</u></b>	<b><u>MM Btu Per Hour (Natural Gas)</u></b>	<b><u>MM Btu Per Hour (Fuel Oil)</u></b>
C-1	25.11	24.2
C-2	25.11	24.2
C-3	10.5	10.1

[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. Fuels, which may be fired, are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]
6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to Boiler nos. C-1, C-2, and C-3.

**Test Methods and Procedures**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.
8. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2003. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 225 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]
9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

**Recordkeeping and Reporting Requirements**

10. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Department.  
[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

**Emission Unit No. 089-Steam Plant F, Bldg. 88**

Emission Unit Description: This EU consists of two steam generating boilers. All boilers are manufactured by Kewanee Boiler Manufacturers.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year (each boiler).  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The maximum heat input for each boiler shall be limited as follows:

<b><u>Boiler No.</u></b>	<b><u>MM Btu Per Hour (Natural Gas)</u></b>	<b><u>MM Btu Per Hour (Fuel Oil)</u></b>
F-1	14.65	14.1
F-2	14.65	14.1

[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. Fuels, which may be fired, are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]

**Proposed Permit No.:** 0310215-029-AV

6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to Boiler nos. F-1, and F-2.

#### **Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.
8. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2003. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 225 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]
9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

#### **Recordkeeping and Reporting Requirements**

10. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Department.  
[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

#### **Emission Unit No. 090-Steam Plant G**

Emission Unit Description: This EU consists of one steam generating boiler. The boiler is manufactured by Kewanee Boiler Manufacturers.

#### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.  
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

#### **Emission Limitations and Standards**

2. The maximum heat input for this boiler shall be limited as follows:

<b><u>Boiler No.</u></b>	<b><u>MM Btu Per Hour (Natural Gas)</u></b>	<b><u>MM Btu Per Hour (Fuel Oil)</u></b>
G-1	14.65	14.1



[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. Fuels, which may be fired, are natural gas or No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Sulfur dioxide (SO<sub>2</sub>) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.  
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]
5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]
6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to boiler no. G-1.

#### **Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.
8. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2003. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 225 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.  
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]
9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

#### **Recordkeeping and Reporting Requirements**

10. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Department.  
[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

### **Chrome Plating Operation**

#### **Emission Unit No. 043-Chrome Plating Shop, Bldg. 794**

Application No. R14

Emission Unit Description: Hard Chrome electroplating of various metal parts.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

Chromium control device: Composite mesh pad chromium mist eliminator with an estimated maximum airflow rate of 23,000 dscfm.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate 8760 hours per year.  
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

**Emission Limitations and Standards**

2. The maximum process rate of electrical current applied is 15,000 amp hours and 131.4 million amp hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. Total chromium emissions shall not exceed 0.015 milligrams of total chromium per dry standard cubic meter [mg/dscm] [ $6.6 \times 10^{-6}$  grains per dry standard cubic foot (gr/dscf)].  
[40 CFR 63.342(c)(1)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]
4. At all times including periods of startup, shutdown, and malfunction owners and operators shall operate and maintain any affected source including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the required operation and maintenance plan.  
[40 CFR 63.342(f)(1)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]
5. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the required operation and maintenance plan.  
[40 CFR 63.342(f)(1)(ii), Rule 62-204.800, FAC, Rule 2.201, JEPB]
6. Operation and maintenance requirements are enforceable independent of emissions limitations or other requirements in relevant standards.  
[40 CFR 63.342(f)(1)(ii), Rule 62-204.800, FAC, Rule 2.201, JEPB]
7. Operation and maintenance procedures shall be determined and reviewed in accordance with 40 CFR 63.342(f)(2)(i).  
[40 CFR 63.342(f)(2)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]
8. The owner and operator shall prepare, follow and operate the source in accordance with the operation and maintenance plan as required by 40 CFR 63.342(f)(3).  
[40 CFR 63.342(f)(3), Rule 62-204.800, FAC, Rule 2.201, JEPB]

**Compliance/Monitoring**

9. The owner or operator shall continuously monitor the pressure drop across the control device. The owner or operator shall record the pressure drop once each day during which the source operates.  
[40 CFR 63.342(f)(3)(ii), Rule 62-204.800, FAC, Rule 2.201, JEPB]

**Test Methods and Procedures**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

10. Testing to determine the chromium emissions shall be conducted in accordance with Reference Method(s) [RM] 306 or 306A. Testing procedures shall be in accordance with 40 CFR 63.344(a) and 40 CFR 63.344(c). Testing shall be conducted 225 days prior to permit expiration for permit renewal. [40 CFR 63.344(a and c), Rule 62-204.800, FAC, Rule 2.201, JEPB]
11. The differential pressure monitoring device shall be in accordance with the manufacturer's accuracy specifications.  
[40 CFR 63.344(d), Rule 62-204.800, FAC, Rule 2.201, JEPB]
12. During performance testing procedures specified in 40 CFR 63.344(e) shall be followed.  
[40 CFR 63.344(e), Rule 62-204.800, FAC, Rule 2.201, JEPB]

#### **Recordkeeping Requirements**

13. Records shall be kept in accordance with 40 CFR 63. 346 and 40 CFR 63, Subpart A requirements as identified in Table 1.  
[40 CFR 63.346(a), Rule 62-204.800, FAC, Rule 2.201, JEPB]
14. The owner or operator shall maintain the following records:
  - a. Inspection records for the add-on air pollution control device
  - b. Records of all maintenance performed on the source, add-on air pollution control device, and monitoring equipment
  - c. Records of the occurrence, duration, and cause of malfunctions on the source, add-on air pollution control device, and monitoring equipment
  - d. Deviations from the operation and maintenance plan
  - e. Other records necessary to demonstrate consistency with the provisions of the O&M plan
  - f. Test reports of all performance tests
  - g. Measurements necessary to determine the conditions of the performance tests
  - h. Records of monitoring data required by 40 CFR 63.343(c)
  - i. Specific identification of excess emissions as indicated by monitoring data during malfunction of the process, add-on air pollution control device or monitoring equipment
  - j. Specific identification of excess emissions as indicated by monitoring data during periods of malfunction other than the process, add-on air pollution control device or monitoring equipment
  - k. Total process operating time of the source during the reporting period
  - l. Records of the total actual cumulative rectifier capacity of hard chromium electroplating tanks at the facility expended during each month of the reporting period
  - m. All documentation supporting the notifications and reports required by 40 CFR 63.9, 10, and 347
  - n. All records shall be maintained for a period of 5 years in accordance with 40 CFR 63.10(b)(1)  
[40 CFR 63.346(b), Rule 62-204.800, FAC, Rule 2.201, JEPB]

#### **Reporting Requirements**

15. Compliance status reports shall be submitted semi-annually or more frequently as required. The contents of the reports shall contain the information required by 40 CFR 63.347(g)(3). Reporting frequency shall be governed by 40 CFR 63.347.  
[40 CFR 63.346(b), Rule 62-204.800, FAC, Rule 2.201, JEPB]

## **Plasma Coating Operation**

### **Emission Unit No. 062-Two Plasma (Powdered Metal) Spray Booths, Bldg. 794**

Application No. R16

Emission Unit Description: Application of melted metal to various parts by the use of spray guns

PM control device: United Air Specialists Baghouse [Model Number FJH48-4-H55 (Controls 2 booths)] with an estimated maximum airflow rate is 16,350 dscfm

### **Emission Limitations and Standards**

1. The maximum process rate of metal to the various parts shall be 120 lbs/hr per booth and 500,000 lbs/yr total for EU no. 062.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [4.20 lbs/hr and 8.74 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of October 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

### **Recordkeeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

**Proposed Permit No.:** 0310215-029-AV

**Emission Unit No. 063-Two Plasma (Powdered Metal) Spray Booths, Bldg. 794**

Application No. R16

Emission Unit Description: Application of melted metal to various parts by the use of spray guns

PM control device: United Air Specialists Baghouse [Model Number FJH48-4-H55] with an estimated maximum airflow rate is 16,350 dscfm

**Emission Limitations and Standards**

1. The maximum process rate of metal to the various parts shall be 120 lbs/hr per booth and 500,000 lbs/yr total for EU no. 063.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate 4160 hours per year.  
[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
3. 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] shall apply to this emission unit.
4. PM emissions shall be limited to 0.03 gr/dscf [4.20 lbs/hr and 8.74 TPY].  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 % opacity.  
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

**Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
7. VE testing shall be conducted annually from the date of October 1, 2003. VE testing shall be conducted for a minimum period of 30 minutes.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
9. PM testing shall be conducted upon request of the Department.  
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

**Recordkeeping and Reporting Requirements**

10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Department.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

**Emission Unit No. 102-HVOF Thermal Spray Booth No. 7  
and Existing Thermal Spray Booth No. 6**

**EU Description:** High Velocity Oxygen/Fuel Spraying system (booth No. 7 only). Metallic, ceramic, and polymeric coatings are heated into a plasma state and sprayed onto various aircraft components. Both Thermal Spray Booths (Nos. 6 and 7) are located in the Plasma Spray Shop (Bldg. 794).

**Emission Control Device:** PM emissions shall be controlled by a 20,000 Cubic Feet per Minute Sulzer Metco cartridge type Baghouse, Model No. SME 81-200. Discharge air from the baghouse is vented through a stack, which contains a 0.3 micron HEPA PM filter. The new and existing booths shall be vented to the collection and control system.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e. 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum heat input to the HVOF system (each booth) is  $4.83 \times 10^9$  Btu per year primarily firing natural gas. Other combustible fuels are also used in insignificant quantities.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The estimated maximum charging rate to the HVOF system (each booth) is 43,800 pounds per year of metallic coating.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

4. Visible Emissions (VE) shall be limited to a maximum opacity of 5%.  
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]
5. PM emissions shall be limited to a maximum of 0.22 pounds per hour and 0.95 tons per year.  
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]

**Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum testing time shall be 30 minutes. VE testing shall be conducted annually from the date of October 1, 2003.  
[Rule 62-297.401, 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 25 dry standard cubic feet. Testing shall be performed upon request of the Department.  
[Rule 62-297.310(7)(b), 62-297.401, 62-297.310(4)(b), FAC, and Rule 2.1101, JEPB]

**Record-keeping and Reporting Requirements**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

8. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.  
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

### **Surface Coating/Solvent Use/Paint Stripping Operations**

#### **Emission Unit No. 080-Five Paint Spray Booths, Bldg. 794**

Application No. R15

Emission Unit Description: Coatings are applied to aircraft engines and engine components.

PM control device: Each booth is equipped with a two stage dry particulate filter system. The estimated maximum airflow rate is 11,700 dscfm for each booth (total 58,500 dscfm).

40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

#### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

#### **Emission Limitations and Standards**

2. The maximum process rate of tons of solvent in coating at this EU shall be limited to 5.48 TPY.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB, and Permit AC16-240666]

#### **Primer/Topcoat Application Operations**

3. See Appendix PT.

#### **Cleaning Operations**

4. See Appendix CO

Permitting Note: EU No. 080 was formerly EU Nos. 047, 048, 049, 050, and 051.

#### **Emission Unit No. 011-Aircraft Painting Hangar, Bldg. 868**

Application No. R17

Emission Unit Description: Coatings are applied to aircraft.

PM control device: Each of 24 exhaust points on the hangar is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 44,000 dscfm for each of 24 exhaust stacks (total 1,056,000 dscfm).

40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

#### **Essential Potential to Emit (PTE) Parameters**

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 28,000 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 081-Two Paint Spray Booths, Bldg. 101U**

Application No. R18

Emission Unit Description: Coatings are applied to aviation electronics (avionics) after repair.

PM control device: Each of the two booths is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 10,000 dscfm

40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 430 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 082-Paint Spray Booth, Hangar 101W**

Application No. R19

Emission Unit Description: Coatings are applied to aircraft components.

PM control device: The booth is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 9,000 dscfm

40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.



**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 975 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 083-Paint Spray Booth, Bldg. 190**

Application No. R20

Emission Unit Description: Coatings are applied to aircraft components.

PM control device: The booth is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 15,000 dscfm

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents for this EU is 2000 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 052-Bearing Shop, Bldg. 101**

Application No. R22

Emission Unit Description: Aircraft bearings are cleaned with various solvents.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

2. The estimated maximum usage of non HAP cleaning solvents is 3400 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

#### **Cleaning Operations**

3. See Appendix CO

#### **Emission Unit No. 056- Paint Stripping and Cleaning, Buildings 101S and 101**

Application No. R23

Emission Unit Description: Aircraft and aircraft components are cleaned and stripped of paint using various solvents.

#### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of HAP and other non-HAP containing stripping solutions and cleaning solvents is 80,000 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

#### **Cleaning Operations**

3. See Appendix CO

#### **Depainting Operation**

#### **Emission Limitations and Standards**

4. The owner/operator shall emit no organic HAP from chemical stripping formulations and agents or chemical paint softeners except that [on an annual (calendar year) average basis per military aircraft depainted for spot stripping and decal removal] 50 gallons of organic HAP containing chemical strippers or alternatively 365 pounds of organic HAP material may be used.  
[40 CFR 63.746(b)(1 & 3), 40 CFR 63.749 (f)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

#### **Test Methods and Procedures**

5. The owner operator shall use the methods and procedures as specified in 40 CFR 63.750(j) to determine compliance with the emission limitations and standards for spot stripping and decal removal listed in SC No. 4 above.  
[40 CFR 63.750 (j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

#### **Record-keeping and Reporting Requirements**

6. The owner/operator shall maintain records, as appropriate, required by 40 CFR 63.752(e)(1, 4, and 6).  
[40 CFR 63.752(e), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
7. The owner/operator shall submit reports, as appropriate, of the depainting operation as required by 40 CFR 63.753(d).

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville  
[40 CFR 63.753(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Proposed Permit No.:** 0310215-029-AV

**Emission Unit No. 084-Fugitive VOC and HAP emissions from Organizational and Intermediate Level Aircraft Maintenance Activities**

Application Nos. R24, R26, R27, and U08

Emission Unit Description: Solvents and paints are used in the organizational level (squadrons) and intermediate level (FRCSE) maintenance of aircraft stationed at NAS Jacksonville. Aircraft washing operations are included in this EU.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 20,000 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 085-Fugitive VOC and HAP emissions from paints and solvents issued from FRCSE Supply Locker, Bldg. 796**

Application No. R25

Emission Unit Description: Paints and solvents are used in depot level maintenance and repair of aircraft and aircraft components at the FRCSE.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 9500 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT. Operations specified in 40 CFR 63.741(f) and 40 CFR 63.745(g)(4) are exempt from the Inorganic HAP requirements specified in Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 086-Paint Spray Booth, Hangar 101S**

Application No. R28

Emission Unit Description: Application of solvents and paints to aircraft components.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

PM control device: The booth is equipped with a three stage dry particulate filter system with an estimated maximum airflow rate of 15,000 dscfm

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents is 1400 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 093-Binks Paint Booth Model Number PFA-1-18, Bldg. 101**

Emission Unit Description: New Binks paint Booth for the application of coatings to aircraft components.

Control Device: Cross draft ventilation captures paint over-spray and directs it to a three stage dry particulate matter filter system. The estimated maximum airflow rate is 30,000 dscfm.

**Essential Potential to Emit (PTE) Parameters**

1. This booth shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents for EU nos. 093 and 094 combined is 20,500 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 094-“Wing Room and Dope Room”, Bldg. 101**

Emission Unit Description: The “Wing Room has been upgraded to comply with the requirement for new facilities of the Aerospace NESHAP. The “Dope Room” has been

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville

**Proposed Permit No.:** 0310215-029-AV

converted to a painting operation to comply with the requirement for new facilities of the Aerospace NESHAP.

**Control Device:** Cross draft ventilation captures paint over-spray and directs it to dry particulate matter filters. The estimated maximum airflow rate (dscfm) is as follows:

Room Description	No. of Stacks	Airflow per Stack
“Wing”	4	37,800
“Dope”	4	32,125

**Essential Potential to Emit (PTE) Parameters**

1. These booths shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum usage of paints and solvents for EU nos. 093 and 094 combined is 20,500 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Primer/Topcoat Application Operations**

3. See Appendix PT.

**Cleaning Operations**

4. See Appendix CO

**Emission Unit No. 106 – Paint Spray Booth, Building 724, FRCSE Shop 430**

**Emission Unit Description:** Paint spray booth for the coating of aircraft parts and components

**Particulate matter control device:** Two stage dry particulate filter

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 to Subpart GG, shall apply to this emission unit.

**Essential Potential to Emit (PTE) Parameters**

1. The nominal airflow is estimated at 15,800 dscfm.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The estimated maximum usage of paints and solvents is 500 gallons per year.

**Emission Limitations and Standards**

**Primer/Topcoat Application Operations**

4. See Appendix PT.

**Cleaning Operations**

5. See Appendix CO

**Emission Unit No. 107 – Paint Spray Booth, Hangar 1000, FRCSE Shop 51A**

Emission Unit Description: Paint spray booth for the coating of aircraft parts and components

Particulate matter control device: Two stage dry particulate filter

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 to Subpart GG, shall apply to this emission unit.

**Essential Potential to Emit (PTE) Parameters**

1. The nominal airflow is estimated at 13,662 dscfm.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This EU shall be allowed to operate continuously, i.e.: 8760 hours per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The estimated maximum usage of paints and solvents is 500 gallons per year.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

**Primer/Topcoat Application Operations**

4. See Appendix PT.

**Cleaning Operations**

5. See Appendix CO

**EU No. 110--Concrete Batch Plant(s)**

EU Description: Concrete Batch Plant(s) for the production of concrete

PM control device: Baghouse dust collectors

**Emission Limitations and Standards**

1. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville  
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

**Proposed Permit No.:** 0310215-029-AV

2. Chapter 62-296, Emissions Standards; Rule 62-296.414, Concrete Batching Plants, FAC, and Rule 2.1001, JEPB shall apply to this emission unit.
3. Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.  
[Rule 62-296.414(1), FAC, and Rule 2.1001, JEPB]
4. The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards. The following shall constitute reasonable precautions:
  - a. Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:
    - (1) Paving and maintenance of roads, parking areas, and yards.
    - (2) Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.
    - (3) Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate matter.
    - (4) Reduction of stock pile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles.
  - b. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.  
[Rule 62-296.320(4)(c), Rule 62-296.414(2), FAC, and Rule 2.1001, JEPB]
5. PM emissions shall be limited to less than one (1) ton per year.  
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

6. Testing for demonstration of compliance shall be performed in accordance with DEP Reference Method (RM) 9 (as described in Chapter 62-297 FAC) for the visual determination of opacity. Initial visible emission testing shall be conducted within 30 days of beginning operation of the concrete batch plant(s) located at this site.
7. Test procedures shall meet all applicable requirements of Chapter 62-297, FAC, and Rule 2.1101, JEPB.
8. Visible emissions tests of silo dust collector exhaust points shall be conducted while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice. If emissions from the weigh hopper (batcher) operation are also controlled by the silo dust collector, then the batching operation shall be in operation during the visible emissions test. The batching rate during the emissions test shall be representative of the normal batching rate and duration. Each test report shall state the actual silo loading rate during emissions testing and, if applicable, whether or not batching occurred during emissions testing.

**Permittee:** Department of the Navy  
Naval Air Station, Jacksonville  
[Rule 62-296.414(3), FAC, and Rule 2.1001, JEPB]

**Proposed Permit No.:** 0310215-029-AV

9. If emissions from the weigh hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions tests of the weigh hopper (batcher) dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.  
[Rule 62-296.414(3), FAC, and Rule 2.1001, JEPB]
10. Each dust collector exhaust point shall be tested annually for compliance with the visible emission limiting standard.  
[Rule 62-297.310(7)(a), FAC, and Rule 2.1101, JEPB]
11. Each dust collector exhaust point shall be tested for a minimum of 30 minutes or, if the operation is normally completed within less than 30 minutes and does not recur within that time, the test shall last for the length of the loading operation.  
[Rule 62-297.310(4)(a), FAC, and Rule 2.1101, JEPB]

#### **Section IV. Special Conditions for EU Nos. 087 through 090**

1. In order to provide reasonable assurance that applicable PSD significant levels were not exceeded with the installation and operation of these boilers, restrictions were placed on the quantity of fuel, which may be combusted by these boilers in a calendar year as follows:

<u>Natural Gas Limit</u> (MM Ft <sup>3</sup> )	<u>Fuel Oil Limit</u> (10 <sup>3</sup> Gallons)
750	575

These restrictions were required by permit no. 0310215-008-AC.

2. The permittee shall maintain records of the quantities and type of fuel combusted at each Boiler Plant on a monthly basis. Natural gas fuel meters and data totalizers shall be used to monitor and record the amount of natural gas combusted by each plant on a monthly basis. All natural gas boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (MM Ft<sup>3</sup>) of natural gas combusted each month.

As an alternative to the use of the fuel meters and totalizers required above the permittee may use the readings from the natural gas supplier, as supplied monthly, to provide data for the monthly log required above. The readings by the natural gas supplier shall be performed, remotely, on or about the first of each month in order to provide accurate and timely data. The readings shall be on each boiler plant.

Records of the quantity of fuel oil combusted at each boiler plant shall be measured monthly by determining fuel oil tank levels at the beginning and end of each month and calculating the quantity of fuel oil combusted. All fuel oil boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (10<sup>3</sup> Gallons) of fuel oil combusted each month.

An alternate method of determining the quantity of fuel oil combusted monthly may be submitted to



**Permittee:** Department of the Navy

**Proposed Permit No.:** 0310215-029-AV

Naval Air Station, Jacksonville

the Department and approval by the Department shall be obtained in writing prior to being implemented.

3. Quarterly reports of the quantity and type of fuel combusted in each of the boilers subject to this permit shall be submitted to the Department These reports are due by the end of the month following completion of each calendar quarter (i.e.: JAN-MAR, APR-JUN, JUL-SEP, and OCT-DEC).

s:\air quality\permitv\TVOP\proposed\0310215-029k-AV