STATEMENT OF BASIS

DEPARTMENT of the NAVY
NAVAL STATION, MAYPORT
Facility ID No.: 0310213
Duval County

Title V Air Operation Permit Revision
DRAFT/PROPOSED Permit Project No.: 0310213-022-AV
Revision to Title V Air Operation Permit No. 0310213-020-AV

This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (FS), and Chapters 62-4, 62-210 and 62-213, Florida Administrative Code (FAC). The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Permitting Authority, in accordance with the terms and conditions of this permit.

This permit is for the purpose of revising Title V Air Operation Permit No. 0310213-020-AV by removing the housing operations from Title V Permit No. 0310213-020-AV. Family housing operations potentially open to the general public which are owned and maintained by a private lessee on the installation and which are not under the direct control of the installation commander, are excluded from the group of emissions units that define the Facility. Family housing operations generally fall under NAICS code 561790 (Other Services to Buildings and Dwellings). Family housing operations excluded from air pollution sources of Naval Station, Mayport are located on leased portions of the installation as represented on the map in Appendix Housing Operations. Notwithstanding the above, individual emissions units that are owned and operated by the installation in the leased area remain as part of the Facility and are included in this permit. There are two insignificant emission units owned and operated by the installation within the housing operations area that are listed in Appendix Housing Operations. Insignificant Emission Unit No. IC020 is a 15 kW backup generator for a substation and insignificant Emission Unit No. IC028 is a 50 kW backup generator for a sewage lift station.

The Department of the Navy operates the Naval Station, Mayport as the homeport for aircraft carriers and various support ships. Air pollution sources located at the base include gas fired boilers with fuel oil back-up, emergency generators, miscellaneous fuel storage tanks, engine test stands, an aircraft maintenance depot, various painting operations including paint booths, open air painting, and ship painting, and abrasive blasting facilities.

The Naval Station, Mayport is classified as a Title V source because potential emissions of one or more individual criteria pollutants is equal to or greater than 100 tons per year in accordance with Chapter 62-210, FAC, and Rule 2.301 JEPB. The Naval Station, Mayport is classified as a synthetic Non-Title V source for Hazardous Air Pollutants (HAPs) because the potential emissions of any single HAP is limited to less than 10 tons per year and the potential emissions of total HAPs is limited to less than 25 tons per year in accordance with Chapter 62-210, FAC, and Rule 2.301 JEPB.

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

E.U. ID No.	Brief Description	
001	Boiler No. 1, Bldg. 1241	Boiler and Supply Company package boiler No. 1, Serial Number (S/N) 120-E1312 firing natural gas or No. 2 fuel oil
002	Boiler No. 2, Bldg. 1241	Boiler and Supply Company package boiler No. 2, S/N 122-E1312 firing natural gas or No. 2 fuel oil
003	Boiler No. 3, Bldg. 1241	Boiler and Supply Company package boiler No. 3, S/N 121-E1312 firing natural gas or No. 2 fuel oil
015	SERMC Blast Booth, Bldg. 1488	Abrasive blast booth using plastic media as an abrasive material. Sodium bicarbonate, corn starch, or other similar type material may also be used as an abrasive material
022	Miscellaneous Surface Coating Operations	This EU consists of the application of coatings, solvents (including stripping solvents), adhesives, and other VOC and/or HAP containing material to miscellaneous parts in booths, buildings, hangars, ships, and open air surface coating operations. Note: Former regulated EU No. 016 is now included in this EU. Paint Booth No. 1 (Building 1488, SIMA activity) and Paint Booth No. 2 (Bldg. 2085) [Permit 0310213-007-AC] are now included in this EU. Former unregulated EUs 023, 024, 026, 027, 028, and 029 are now included in this EU. EU No. 032 [Permit 0310213-008-AC] is now included in this EU. A paint booth manufactured by Blow-Therm of Canada, Inc. and operated by Earl Industries, Inc. is now part of this EU.
030	FRCSE Blast Booth No. 2, Bldg. 2085	Pauli systems abrasive blast booth using plastic media as an abrasive material. Sodium bicarbonate, corn starch, or other similar type material may also be used as an abrasive material
031	Abrasive Blast Booth	Abrasive Blasting Booth for the abrasive cleaning of miscellaneous metal and non-metal parts
033	SERMC Abrasive Blast Booth No. 3, Bldg. 1488, Shop71 A	Pauli systems abrasive blast booth using aluminum oxide media or other applicable blasting agent as an abrasive material.
034	Controlled Pyrolysis Cleaning Furnace (Burnout Oven), Bldg. 1488	Pollution Control Products Co. natural gas fired controlled pyrolosis cleaning furnace (burnout oven) for the cleaning of metal parts of organic hydrocarbon residue such as paint and other coatings.

035	16.33 MMBtu per hour Steam Boiler	This EU consists of one steam generating boiler. It is rated at 16.33 MM Btu per hour maximum heat input while firing natural gas or very low sulfur content No. 2 fuel oil. The boiler is a Cleaver Brooks Model Number CBLE200-400-250ST
036	SERMC Abrasive Blast Booth No. 4, Bldg. 1488	Innovative Peening Systems abrasive blast booth using aluminum oxide media or other applicable blasting agent as an abrasive material

Also included in this permit are miscellaneous unregulated emissions units and/or activities and insignificant activities. It is noted that former EU Nos. 017 and 021 are now considered insignificant EUs. Documentation was supplied with the permit renewal application which demonstrated that these EUs qualified for the insignificant category. EU No. 018 description was changed to only include Emergency Generators greater than 500 kW capacity. Smaller emergency generators are now considered insignificant.

Uncontrolled potential emissions of particulate matter from emission unit nos. 015, 030, 031, 033, and 036 (abrasive blasting booths with baghouses) are less than 100 tons per year each. Compliance Assurance Monitoring (CAM) does not apply to this facility.