Plain Language Summary for New Source Review (NSR) Renewal Amendment
Application for Air New Source Review Permit Number 21643

The US Department of the Navy (CN600621155) has submitted an application for renewal of and amendment to permit number 21643. The Corrosion Control Facility at the Naval Air Station Kingsville (RN102601762) provides maintenance and upkeep of aircraft used in pilot and jet training at 554 McCain Street, Suite 310, Kingsville, Kleberg County.

This renewal will authorize the continued operation of four painting bays and one paint spray booth, all located at Building 4766. Each of the paint bays has two exhaust stacks and the paint spray booth has one exhaust stack. No changes to the existing permitted coating operations or emissions are being requested with the application. The amendment will authorize an existing paint spray booth located in Building 2713 used for minor touch-up coating operations to be used as part of the Corrosion Control Facility (CCF) process to prime and paint aircraft components, as well as ground support equipment. The CCF conducts organizational (basic) and intermediate level maintenance consisting of corrosion removal and touch-up painting on small areas or parts of the aircraft, and depot level corrosion control which consist of crash damage maintenance and can require complete stripping, corrosion removal and re-application of protective coatings and paints. The US Department of the Navy has listed in the application the pollutants and amounts that will be emitted for the new operation and combined facility. Below is the current amount allowed, the amount to be added, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	**Permitted Emissions (tons per year)**	**Emissions Added/Deleted (tons per year)**	**Total Proposed Emissions (tons per year)**
Volatile Organic Compound	25.51	+1.27	26.78
Exempt Solvent	22.73	+0.83	23.56
Particulate Matter	<0.03	+<0.01	<0.03
Particulate Matter 10	<0.03	+<0.01	<0.03
Particulate Matter 2.5	<0.01	+<0.01	<0.01
Individual Hazardous Air Pollutant	<10		<10
Total Hazardous Air Pollutant	<25		<25

The facilities being renewed are controlled by a three-stage particulate filter in the painting bays and a single-stage particulate filter in the paint spray booth that capture particulates. All five existing sources are enclosed and parts painted are kept in the bays and booths until completely dry to minimize particulates that escape into the air. There are no applicable booth controls that reduce volatile organic compounds (VOCs) or organic hazardous air pollutants (HAPs), but safer choice and green products in the Navy Authorized Use List are used when viable. The thinning of paint with solvents, unless part of a kit product, is minimal. The primary method of the control of VOC and HAP emissions is the control of the amount of paint sprayed at or applied on a target (i.e., complete aircraft or individual aircraft parts or assemblies). Spray equipment with high transfer efficiency, brushes, and

rags minimizes the product that misses the target and is wasted, to minimize emission release. The new facility will be controlled by a single-stage particulate filter that captures particulates. VOC and HAP control methods of the new paint booth are the same as those listed for the facilities being renewed.