Boeing Cecil Field
Paint Booth and Hangar Operations and Maintenance Plan
EU 003

This paint booth and hangar operation and maintenance plan is developed to meet the anticipated requirements of the City of Jacksonville Air Construction Permit for Emission Unit (EU 003). EU 003 is for the Building 312 Paint Booth (pending installation) and the operation of the Building 312 Paint Hangar for the painting of aerospace assemblies. The painting of completed aircraft in the Building 312 Paint Hangar is considered part of EU 002 which is covered by a separate Operations and Maintenance Plan.

This plan provides the overall operation and maintenance workpractices for EU 003. These workpractices are intended to provide best operational environmental practices.

I. General:
   a. Preventive maintenance will be performed on the mechanical components of the Building 312 paint booth and hangar on a monthly basis.
   b. Users of the paint booth and paint hangar will perform daily checks for proper operation of mechanical components on an as-used basis (i.e., at the beginning of each day the booth or paint hangar is used).

II. Daily User Checks Shall Include:
   a. Initial checks are to be performed on each day of paint booth or hangar operation. If the booth or hangar is not operated on a particular day, this check is not required.
   b. Visual inspection of exhaust filters for proper fit. For example, be mindful of missing filters or filters that are misaligned or showing visible gaps.
   c. Proper fan operation.
      i. Check filter pressure drop gauge while fan is operating to assure pressure drop is within established operating range for the booth or hangar.
      ii. Qualitative assessment of proper air flow in the booth:
         1. Prior to painting by overall "feel"; and,
         2. During initial painting by visual observation of overspray being directed towards the filters.
   d. Should any deficiencies be noted in the above checks perform appropriate corrective maintenance. For example, re-align a misaligned paint booth filter. If corrective actions cannot be performed by operator, request appropriate maintenance using established Boeing protocols. Painting should not be initiated until the observed situations are corrected.

III. Workpractices:

a. Cover cans of paint when not in active use (e.g., when being mixed or when being transferred to paint gun reservoir).
b. Take reasonable care when painting to minimize overspray while maintaining product quality.
c. Should any spill occur, clean up the spills promptly and dispose of materials in accordance with established waste handling procedures.

IV. Monthly preventative maintenance shall be performed by the Facilities Maintenance Team, including:

a. Visually inspect the paint booth and paint hangar air filter system for conditions that may reduce the operating efficiency of the collection system. To the extent practical, this inspection shall be of the entire system from intake filters to exhaust port.
b. Check the differential pressure across the filter bank. If the pressure drop is outside of the booth or hangar's specific normal operating range, perform appropriate corrective actions.
c. Inspect the following mechanical components of the paint booth and the paint hangar:
    i. Make-up Air Unit (hangar only);
    ii. Exhaust fans;
    iii. Motor starters and controls; and,
    iv. Compressor and compressed air lines used for paint gun systems.
d. Maintain a written (or electronic) record of the observations and any corrective action resulting from the monthly preventative maintenance.