IN THE MATTER OF:

BOEING COMMERCIAL AIRPLANES
800 LOGAN AVENUE NORTH
RENTON, WASHINGTON 98055

NO. PSD-88-4
FINAL DETERMINATION
OF APPROVAL OF PSD
APPLICATION

Pursuant to Environmental Protection Agency (EPA) regulations for the Prevention of Significant Deterioration (PSD) set forth in Title 40, Code of the Federal Regulations Part 52 and based upon the complete application submitted by Boeing Commercial Airplanes from September 1988 to December 1988, and the technical analysis performed by the Department of Ecology (the department), dated December 7, 1988 the department now finds the following:

FINDINGS

1. Boeing Commercial Airplanes proposes to modify the existing 4-41 Building located at the Renton facility, 800 Logan Avenue North, Renton, Washington. Boeing Commercial Airplanes proposes to expand the building to accommodate painting and cleaning of 737s, 757s and 707s.

2. The Renton facility qualifies as a major source because it emits more than 250 tons per year of volatile organic compounds (VOC). The proposed modification to the 4-41
Building qualifies as a major modification and would have the potential to increase VOC emissions more than 40 tons per year.

3. It would be located in an area which has been designated Class II for the purposes of PSD evaluation under 40 CFR 52.21. Best available control technology (BACT) for the cleaning and painting inside the 4-41 Building has been determined to be good manufacturing and work practices. These practices are:
   a. The containment of spent solvent cleaning rags,
   b. Low pressure application of bulk solvent,
   c. The use of electrostatic surface coating, and
   d. A method of paint gun cleaning approved by the Puget Sound Air Pollution Control Agency.

4. All operations in the 4-41 Building will comply with Regulation II of the Puget Sound Air Pollution Control Agency.

5. The proposed site is within an area which is in attainment as regards to the state and national ambient air quality standards for ozone.

6. The facility as modified would generate up to an additional 124 tons of VOC per year.

7. The emission of VOC is subject to PSD review.
8. The project will have no significant impact on ambient air quality.

9. The project is anticipated to have no noticeable effect on industrial, commercial or residential growth in the Renton area.

10. Visibility will not be impaired in any Class I area due to the proposed emissions.

11. Ambient pollutant concentrations in any Class I area are not predicted to change due to the project.

12. The department finds that all requirements for PSD have been satisfied. Approval of the PSD application is granted subject to the following conditions.

APPROVAL CONDITIONS

1. Emissions of VOC from the 4-41 Building shall not exceed 124 tons per year.

2. Boeing Commercial Airplanes will report the total amount of solvents contained in the cleaning solutions and paints used in the 4-41 Building and the VOC emissions from the 4-41 Building annually to the Puget Sound Air Pollution Control Agency.
3. The following work practices will be employed in the 4-41 Building.

   a. Spent solvent cleaning rags will be deposited in covered solution-filled pretreatment containers that capture VOC.

   b. Bulk application of solvent will be by low pressure hose.

   c. Surface coating will be applied by electrostatic technology whenever it is proven successful.

   d. Paint guns will be cleaned by a method approved by the Puget Sound Air Pollution Control Agency.

4. All operations in the 4-41 Building shall comply with Regulation II of the Puget Sound Air Pollution Control Agency.

5. This approval shall become void if construction of the 4-41 Building is not commenced within eighteen (18) months after receipt of final approval, or if construction or operation of the 4-41 Building is discontinued for a period of eighteen (18) months.

6. Any activity which is undertaken by the company or others, in a manner which is inconsistent with the application and this determination, shall be subject to department enforcement under applicable regulations. Nothing
in this determination shall be construed to relieve the
compny of its obligations under any state, local, or federal
laws or regulations.

7. The company shall notify the department and Puget Sound
Air Pollution Control Agency in writing within 30 days of the
beginning of painting and cleaning operations.

8. Access to the 4-41 Building by the Environmental
Protection Agency (EPA), state or local regulatory personnel
shall be permitted upon request for the purpose of compliance
assurance inspections. Failure to allow such access is
grounds for revocation of this determination of approval.

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Date 1/30/89

Stuart Clark
Air Program