

WASHINGTON DEPARTMENT OF ECOLOGY  
MAIL STOP PV-11  
OLYMPIA, WASHINGTON 98504

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6 IN THE MATTER OF: ]  
7 ] NO. PSD-88-4  
8 BOEING COMMERCIAL AIRPLANES ] FINAL DETERMINATION  
9 800 LOGAN AVENUE NORTH ] OF APPROVAL OF PSD  
10 RENTON, WASHINGTON 98055 ] APPLICATION  
11 ]  
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15 Pursuant to Environmental Protection Agency (EPA) regulations  
16 for the Prevention of Significant Deterioration (PSD) set  
17 forth in Title 40, Code of the Federal Regulations Part 52  
18 and based upon the complete application submitted by Boeing  
19 Commercial Airplanes from September 1988 to December 1988,  
20 and the technical analysis performed by the Department of  
21 Ecology (the department), dated December 7, 1988 the  
22 department now finds the following:  
23

24 FINDINGS

25 1. Boeing Commercial Airplanes proposes to modify the  
26 existing 4-41 Building located at the Renton facility, 800  
27 Logan Avenue North, Renton, Washington. Boeing Commercial  
28 Airplanes proposes to expand the building to accommodate  
29 painting and cleaning of 737s, 757s and 707s.  
30

31 2. The Renton facility qualifies as a major source because  
32 it emits more than 250 tons per year of volatile organic  
33 compounds (VOC). The proposed modification to the 4-41

34 Building qualifies as a major modification and would have the  
35 potential to increase VOC emissions more than 40 tons per  
36 year.

37

38 3. It would be located in an area which has been designated  
39 Class II for the purposes of PSD evaluation under 40 CFR  
40 52.21. Best available control technology (BACT) for the  
41 cleaning and painting inside the 4-41 Building has been  
42 determined to be good manufacturing and work practices.  
43 These practices are:

- 44 a. The containment of spent solvent cleaning rags,
- 45 b. Low pressure application of bulk solvent,
- 46 c. The use of electrostatic surface coating, and
- 47 d. A method of paint gun cleaning approved by the Puget  
48 Sound Air Pollution Control Agency.

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

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

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

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61 7. The emission of VOC is subject to PSD review.

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63 8. The project will have no significant impact on ambient  
64 air quality.  
65

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

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

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

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

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#### APPROVAL CONDITIONS

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82 1. Emissions of VOC from the 4-41 Building shall not exceed  
83 124 tons per year.

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85 2. Boeing Commercial Airplanes will report the total amount  
86 of solvents contained in the cleaning solutions and paints  
87 used in the 4-41 Building and the VOC emissions from the 4-41  
88 Building annually to the Puget Sound Air Pollution Control  
89 Agency.

90 3. The following work practices will be employed in the 4-41  
91 Building.

92

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

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

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

100 d. Paint guns will be cleaned by a method approved  
101 by the Puget Sound Air Pollution Control Agency.  
102

103 4. All operations in the 4-41 Building shall comply with  
104 Regulation II of the Puget Sound Air Pollution Control  
105 Agency.  
106

107 5. This approval shall become void if construction of the  
108 4-41 Building is not commenced within eighteen (18) months  
109 after receipt of final approval, or if construction or  
110 operation of the 4-41 Building is discontinued for a period  
111 of eighteen (18) months.

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113 6. Any activity which is undertaken by the company or  
114 others, in a manner which is inconsistent with the  
115 application and this determination, shall be subject to  
116 department enforcement under applicable regulations. Nothing

117 in this determination shall be construed to relieve the  
118 company of its obligations under any state, local, or federal  
119 laws or regulations.

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

124

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

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Date

1/30/89



Stuart Clark  
Air Program