Puget Sound Clean Air Agency

Notice of Construction No. **12441**

HEREBY ISSUES AN ORDER OF APPROVAL TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. **13117**

Date

Modification of several Orders of Approval to update permit conditions for the following existing spray booths to allow for the use of interlock systems in lieu of reading and recording the pressure drop and to remove redundant conditions that require compliance with 40 CFR 63, Subpart GG since this regulation applies facility-wide:

• Two spray booths with two Bleeker Bros. Dry Filter Spray Coating Booths: one rated at 45,000 cfm (2 stacks at 22,500 cfm each) and one rated at 25,000 cfm, both equipped with 3-stage NESHAP compliant filters, both located in the 17-07 Building, used for primer and topcoat application on aerospace parts and components. [Order of Approval No. 7279, 2/24/1998]

• Four Haden designed Spray Booths equipped with Aerospace NESHAP compliant filter system plus HEPA, each rated at 38,000 cfm, used for painting and preparation of aerospace parts in the Finish Zone of Building 17-45. [Order of Approval No. 7302, 3/31/1998]

• One Dry Lubricant Spray Coating Booth rated at 14,445 cfm located in Building 17-68. [Order of Approval No. 7639, 12/15/1998]

• One Bleeker Brothers Dry Filter Spray Coating Booth with three-stage Aerospace NESHAP-compliant filters located in Building 17-45. [Order of Approval No. 7689, 4/9/1999]

• One Dry Filter Spray Coating Booth rated at 24,000 cfm with three-stage Aerospace NESHAP-compliant filters and HEPA filtration located near Column B-1 in the Mezzanine of Building 17-45. [Order of Approval No. 7941, 11/2/1999]

• One 29,000 cfm Spray booth with dry filters complying with 40 CFR 63.745(g)(2)(ii) of the Aerospace NESHAP at 17-45 building, and additional down-stream HEPA filters capable of 99.97% control. [Order of Approval No. 8747, 12/19/2002]

• One 16,000 cfm Spray booth at building 17-62 with filters complying with 40 CFR 63.745(g)(2)(ii)(A) of the Aerospace NESHAP. [Order of Approval No. 8835, 7/1/2003]

• One 2,600 cubic foot dry lubricant spray booth, with 20,000 cfm air flow, located in Bldg 17-68. [Order of Approval No. 10234, 1/11/2011]

• One spray booth, 16,000 cfm air flow and 1,408 cf internal volume, located in 17-45 Bldg, equipped with dry exhaust filters meeting 40 CFR 63.745(g)(2)(ii)(A) requirements; and one spray booth, 23,000 cfm air flow and 2,304 internal volume, located in 17-45 Bldg, equipped with dry exhaust filters meeting 40 CFR 63.745(g)(2)(ii)(A) requirements. [Order of Approval No. 10332, 7/14/2011]

• One Spray Booth, rated at 16,000 cfm and located in Building 17-45. The booth is to be equipped as a condition of this Order with three-stage, Purolator Supersorb III dry filtration system, or equivalent. [Order of Approval No. 10846, 10/23/2014]

Modification of Order of Approval No. 10298 dated 5/18/2011 for one spray gun cleaning operation at spray booth in Building 17-45 to remove a redundant condition.

Order of Approval for NC No. 12441

OWNER	INSTALLATION ADDRESS
Boeing Commercial Airplane Auburn **PO Box 3707 MC 5A-214** **Seattle, WA 98124-2207**	**Boeing Commercial Airplane Auburn** **700 15th St SW** **Auburn, WA 98002**

THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of the Puget Sound Clean Air Agency.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. For spray booths permitted under Orders of Approval No. 7279 issued 2/24/1998, No. 7302 issues 3/31/1998, No. 8747 issued 12/19/02, No. 8835 issued 7/1/2003, No. 10332 issued 7/14/2011, the owner or operator shall read and record the pressure drop once per shift that the booth is in operation, or install an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). If the pressure drop exceeds or falls below the acceptable pressure drop range, the owner or operator shall take corrective action as specified below:
   a. If spray applying any coating that contains inorganic HAP that is subject to 40 CFR 63.745(g)(2), shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure drop is returned within the acceptable range.
   b. If not spray applying any coating that contains inorganic HAP that is subject to 40 CFR 63.745(g)(2), take corrective action as soon as practicable but within 24 hours of the initial observation to correct the pressure drop or, alternatively, shut down the unit or activity until it can be repaired.

   Once each calendar quarter, the owner or operator shall check that the pressure gauge and interlock system (if applicable) functions properly and that the pressure drop range is either labeled on the pressure drop log sheets, or posted on or nearby the pressure drop gauge, or shown on an electronic display screen.
4. For spray booths permitted under Orders of Approval No. 7689 issued 4/9/1999, No. 7941 issued 11/2/1999, and No. 10846 issued 10/23/2014, the owner or operator shall read and record the pressure drop once per shift that the booth is in operation unless all coatings spray applied during that shift have an inorganic HAP concentration of less than 0.1 percent for carcinogens and 1.0 percent for non-carcinogen. If all coatings spray applied during that shift have an inorganic HAP concentration of less than 0.1 percent for carcinogens and 1.0 percent for non-carcinogen, the owner or operator shall read and record the pressure drop once during each month that the booth is in operation. Reading and recording the pressure drop is not required if the owner of operator has installed an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). If the pressure drop exceeds or falls below the acceptable pressure drop range, the owner or operator shall take corrective action as specified below:
   a. If spray applying any coating that contains inorganic HAP that is subject to 40 CFR 63.745(g)(2), shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure drop is returned within the acceptable range.
   b. If not spray applying any coating that contains inorganic HAP that is subject to 40 CFR 63.745(g)(2), take corrective action as soon as practicable but within 24 hours of the initial observation to correct the pressure drop or, alternatively, shut down the unit or activity until it can be repaired.

   Once each calendar quarter, the owner or operator shall check that the pressure gauge and interlock

system (if applicable) functions properly and that the pressure drop range is either labeled on the pressure drop log sheets, or posted on or nearby the pressure drop gauge, or shown on an electronic display screen.

5. For spray booths permitted under Orders of Approval No. 7639 issued 12/15/1998 and No. 10234 issued 1/11/2011, the owner or operator shall read and record the pressure drop once during each month that the booth is in operation. Reading and recording the pressure drop is not required if the owner of operator has installed an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). If the pressure drop exceeds or falls below the acceptable pressure drop range, the owner or operator shall take corrective action as soon as practicable but within 24 hours of the initial observation to correct the pressure drop or, alternatively, shut down the unit or activity until it can be repaired.

   Once each calendar quarter, the owner or operator shall check that the pressure gauge and interlock system (if applicable) functions properly and that the pressure drop range is either labeled on the pressure drop log sheets, or posted on or nearby the pressure drop gauge, or shown on an electronic display screen.

6. Upon issuance, this Order of Approval cancels and supersedes Order of Approval No. 7279, Condition Nos. 4 and 5, dated 2/24/1998, Order of Approval No. 7302, Condition Nos. 4 and 5, dated 3/31/1998, Order of Approval No. 7639, Condition No. 4, dated 12/15/1998, Order of Approval No. 7689, Condition No. 4, dated 4/9/1999, Order of Approval No. 7941, Condition No. 4, dated 11/2/1999, Order of Approval No. 8747, Condition No. 7, dated 12/19/2002, Order of Approval No. 8835, Condition No. 6, dated 7/1/2003, Order of Approval No. 10234, Condition No. 6, dated 1/11/2011, Order of Approval No. 10332, Condition Nos. 5 and 6, dated 7/14/2011, and Order of Approval No. 10846, Condition No. 9, dated 10/23/2014.

7. Upon issuance, this Order of Approval cancels Order of Approval No. 7279, Condition No. 6, dated 2/24/1998, Order of Approval No. 8747, Condition No. 4, dated 12/19/2002, Order of Approval No. 8835, Condition No. 4, dated 7/1/2003, and Order of Approval No. 10298, Condition No. 3, dated 5/18/2011.

APPEAL RIGHTS

Pursuant to Puget Sound Clean Air Agency's Regulation I, Section 3.17 and RCW 43.21B.310, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, a written notice of appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of the date the applicant receives this Order.

Maggie Corbin	John Dawson
Reviewing Engineer	Engineering Manager