Puget Sound Air Pollution Control Agency

Registration No. 10107

Notice of Construction No. 3486

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

Date MAY 04 1990

Two Aboveground JP-4 Storage Tanks at 30,000 gallons each (ABF-8 and ABF-9) and one Aboveground Recycle Jet Fuel (Jet A/JP-4) Storage Tank at 6,000 gallons (ABF-10).

APPLICANT

CLYDE CHERBERG

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707 MS 62-15

SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707 MS 62-15

SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7370/8701 E MARGINAL WY S, 224 BLDG, SEATTLE, WA, 98108

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 Air Pollution Control Agency to the applicant to install, alter 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I or II, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

HARRY A. WATTERS
Reviewing Engineer

HAW

Anita J. Frankel
Air Pollution Control Officer

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 3487

Date MAY 04 1990

Stage I vapor recovery using Emco Wheaton Coaxial System on one 2000 gallon underground gasoline storage tank (UBF-61).

APPLICANT

CLYDE CHERBERG

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707 MS 62-15

SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707 MS 62-15

SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7370/8701 E MARGINAL WY S, 224 BLDG, SEATTLE, WA, 98108

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 Air Pollution Control Agency to the applicant to install, alter 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I or II, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

HARRY A. WATTERS
Reviewing Engineer

HAW

Anita J. Frankel
Air Pollution Control Officer

Form 50-118, (1/85)

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 3560

Date JAN 02 1991

Aircraft Paint Hangar, Building 3-380, with a 737 Bay (at 229,000 cfm for paint application and 382,000 cfm for solvent cleaning), a 737/757 Bay (at 331,000 cfm and 552,000 cfm respectively), a Binks truck spray booth (for touch up painting and curing; 32.5'Lx17'Wx14'H) at 32,000 cfm, two Gun/Pot Cleaning Area Fume Hoods, and two Waste Staging Area Fume Hoods.

MICHAEL BABICH/DAVID MUMMEY

APPLICANT

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707 MS 63-01
SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707 MS 62-15
SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7370/8701 E MARGINAL WY S, 224 BLDG, SEATTLE, WA, 98108

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 Air Pollution Control Agency to the applicant to install, alter 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. Boeing shall provide 120 tons/year VOC emission reduction to meet the requirements of the PSD permit for this installation.

HARRY A. WATTERS
Reviewing Engineer

HAW

Anita J. Frankel
Air Pollution Control Officer

Form 50-118, (1/85)

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 3825

Date APR 15 19

Two Bryan Steam Corp L56-W-FDG Hot Water Boilers, each with a 3,750 MBH gas burner, in Bldg 3-800.

APPLICANT

MIKE BABICH

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707, MS 62-15

SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707, MS 62-15

SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7370/8701 E MARGINAL WY S 224 BLDG, SEATTLE, WA, 98108

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 Air Pollution Control Agency to the applicant to install, alter 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

HARRY A. WATTERS
Reviewing Engineer

HAW

ANITA J. FRANKEL
Air Pollution Control Officer

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

Registration No. 13124

Notice of Construction No. 4371

Date MAY 12 1998

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

Integrated Aircraft Systems Laboratory - Bldg. 2-122: one Paint Curing Oven at 500 cfm with Exhaust Hood in Paint Room 105Q4; one VARSOL VB-5 General Hood for Spray Booth at 4320 cfm at Col 1P7 High Bay; one Kewaunee Fume Hood at 1000 cfm at Col D/3; three SH-1005 Kewaunee Fume Hood/Chambers at 2300 cfm at Col X/1; two manufactured General Hoods at 2270 cfm each at Col Q/14; ten manufactured Slot Hoods at 17500 cfm at Col G/5; three manufactured Slot Hoods at 5250 cfm in Rm 201X2 Col 2Y3; one manufactured Slot Hood at 1750 cfm at Col A/2; five manufactured Slot Hoods and one Kewaunee Fume Hood at 8750 cfm at Col X/5; one manufactured Slot Hood at 1750 cfm at Col 3U5; and one Bleeker Bros. F-6-7-6 Dry Filtered Paint/Grind Booth at 4200 CFM at Col 1Q5.

TERRI RECTOR, ENV ENGR

APPLICANT

BOEING DEFENSE & SPACE GROUP PLANT II
PO BOX 3999 M/S 19-16
SEATTLE WA 98124-2499

OWNER

BOEING DEFENSE & SPACE GROUP PLANT II
PO BOX 3999 M/S 19-16
SEATTLE WA 98124-2499

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE GRP-PLTII, 7755 E MARGINAL WY S PLANT II, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. This Order of Approval No. 4371, modified to change booth type to paint/grind booth, hereby supersedes and cancels Order of Approval No. 4371 dated Apr 20, 1992.

Abigail C. Lee
ABIGAIL C. LEE
Reviewing Engineer

Jay M. Willenberg
JAY M. WILLENBERG
Reviewing Engineer

David D. Kinley
for DENNIS J. McLERRAN
Air Pollution Control Officer

MEJ

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 4861

Date FEB 2 6 1993

One Bryan CL-150 Gas Fired Boiler at 1,500 MBH located in the 3-801 Building.

APPLICANT

MICHAEL B. BURRUS, PROJ. MGR.

W.A. BOTTLING COMPANY

PO BOX 33706

SEATTLE WA 98133

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)

PO BOX 3707, MS 17-84

SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7342 E MARGINAL WY S BLDG 3-801, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

Fredrick L. Austin

FREDRICK L. AUSTIN P.E.
Reviewing Engineer

Abigail C. Lee

ABIGAIL C. LEE
Reviewing Engineer

David D. Kircher

for ANITA J. FRANKEL
Air Pollution Control Officer

MEJ

Puget Sound Clean Air Agency

Notice of Construction No. 5208

Registration No. 21147

Date JAN 3 1 2011

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

Jet fuel as the backup fuel to natural gas for all four existing Steam Boilers in the south end of Building 2-15 (i.e., two 80, 000 lb/hr Cleaver-Brooks Model DLD94 Boilers with Coen DAF 30 low-NOx burners (#3 & #4), and two 30,000 lb/hr Babcock & Wilson Boilers with Coen DAZ-24 low-NOx burners (#1 & #2). Order of Approval modification done in 2011 to fix an equation error in Condition 7.

APPLICANT

L M Babich III
Boeing Commercial Airplane Group
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

OWNER

Boeing Commercial Airplane Group
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

INSTALLATION ADDRESS

Boeing Commercial Airplane Group (Plant 2), 7755 E Marginal Wy S, Seattle, WA, 98108

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. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I,II, and III.

3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

4. The boilers shall be fired with natural gas only, except during periods of natural gas curtailment and during testing with the backup jet fuel, or for the purpose of day tank fuel turnover. Annual usage of jet fuel for day tank turnover shall not exceed 40,000 gallons. Boeing shall report compliance with this condition as part of the annual registration report (emissions inventory) required by Article 5 of Regulation 1.

5. Except for unavoidable excess emissions under WAC 173-400-107, the hourly average of NOx emissions for boilers #3 and #4, as measured by EPA Method 7E, shall not exceed 0.10/MMBtu when fired with natural gas, or 0.25 lb/MMBtu when fired with jet fuel.

6. Boeing shall perform a compliance test according to Regulation I, Section 3.07, by August 31, 1997, and shall perform follow-on compliance tests every three years thereafter.

7. NOx and SOx emissions shall be tracked monthly to assure that the net increase in each due to this installation remains

JAN 3 1 2011

under 40 tons per running 12-month period. Total NOx emissions at Plant 2 shall be limited as follows, or by alternate formula as approved by PSAPCA: 5.0*Gn + 6.8*Go + 0.0051*(Ln + Lo) < 95.03 tons, where 'G' is gas use in millions of therms. 'L' is jet fuel use in thousands of gallons. subscript 'n' refers to new boilers (#3 & #4) subscript 'o' refers to old boilers (#1 & #2).

8. Visible emissions shall not exceed 10% opacity fore more than three minutes in any one hour period, using EPA Method 9.

9. This Order of Approval No. 5208 issued to amend conditions hereby cancels and supersedes Order of Approval No. 5208 issued March 29, 1995 and Order of Approval No. 5208 issued November 29, 1993.

Gretchen Jüttner
Reviewing Engineer
ns

Agata McIntyre, P.E.
Agata McIntyre
Senior Engineer

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 5279

Date JAN 12 1994

One 12,000 gallon (7.9 ft. diam. X 33 ft. long) UL listed, steel, aboveground, double wall fuel storage tank (ABF-145) with interstitial monitoring and overfill alarm to store either Jet A, or JP-4, or JP-8, located SE of Building 3-368 NBF.

APPLICANT

STEPHEN T KARICH, P.E.

BOEING COMMERCIAL AIRPLANE (RENTON)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 6900 ELLIS AVE, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

Abigail C. Lee
ABIGAIL C. LEE
Reviewing Engineer

Jay M. Willenberg
JAY M. WILLENBERG
Reviewing Engineer

David D. Kunimoto
for ARTHUR DAVIDSON
Air Pollution Control Officer

MEJ

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 5336

Date FEB 14 1994

Two 30,000 gallons each (11 ft diam x 42.6 ft long) UL listed, steel, double wall, Aboveground Storage Tanks (ABF-154 and ABF-155) with interstial monitoring and overfill alarm to store either Jet A, or JP-4, or JP-8, located at the 3-822 Building fuel farm.

STEPHEN T KARICH, P.E.

APPLICANT

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 6300 ELLIS AVE (BLDG 3-822), SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

Abigail C. Lee
ABIGAIL C. LEE
Reviewing Engineer

JAY M. WILLENBERG PE
Reviewing Engineer

David D. Kunz
for ARTHUR DAVIDSON
Air Pollution Control Officer

MEJ

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

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

Registration No. 10107

Notice of Construction No. 5365

Date MAR 8 1994

Three 15,000 gallon (10 ft. diam. X 26 ft. long) UL listed, steel, aboveground, double wall fuel storage tank (ABF-148, ABF-149, and ABF-150) with interstitial monitoring and overfill alarms to store either JP-4, JP-5, JP-8 or Jet A, located at the 3-318 Building.

APPLICANT

STEPHEN T KARICH, P.E.

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 6900 ELLIS AVE 3-318 BLDG, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

Abigail C. Lee
ABIGAIL C. LEE
Reviewing Engineer

JAY M. WILLENBERG PE
Reviewing Engineer

David D. Kim
for ARTHUR DAVIDSON
Air Pollution Control Officer

MEJ

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

Registration No. 10107

Notice of Construction No. 7165

Date DEC 22 1997

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

A second stage of dust control consisting of a hood around the existing Torit Model No. 64 DH Dust Collector (mounted on rails on top of the mix tanks with two-position capability) and around the top of the mix tanks, ducted to a filter box eqipped with a differential pressure gauge, used to control chemical dust from the Wastewater Treatment Tanks in the 3-367 Building.

EDWARD J CIEREBIEJ

APPLICANT
BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

OWNER
BOEING COMMERCIAL AIRPLANE (NBF)
PO BOX 3707, MS 63-41
SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (NBF), 7755 E MARGINAL WY S, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. Boeing shall install and maintain a gauge to measure the pressure drop across the filter box of the hood exhaust. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.

Abigail C. Lee
ABIGAIL C. LEE
Reviewing Engineer

J M Willenberg PE
JAY M. WILLENBERG
Reviewing Engineer

David D. Kunz
for DENNIS J. McLERRAN
Air Pollution Control Officer

MEJ

Puget Sound Air Pollution Control Agency

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

Registration No. 13124

Notice of Construction No. 7203

Date NOV 6 1997

Two replacement 25,000 gallon double wall fiberglass Underground Storage Tanks for storing jet fuel, located near the boilers in the 2-15 Building.

APPLICANT

EDWARD J CIEREBIEJ

BOEING COMMERCIAL AIRPLANE GRP-PLT II

PO BOX 3707, MS 63-41

SEATTLE WA 98124-2207

OWNER

BOEING COMMERCIAL AIRPLANE GRP-PLT II

PO BOX 3707, MS 63-41

SEATTLE WA 98124-2207

INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE GRP-PLT II, 7755 E MARGINAL WY S PLANT II, SEATTLE, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

Abigail C. Lee — ABIGAIL C. LEE, Reviewing Engineer

Jay M. Willenberg — JAY M. WILLENBERG, Reviewing Engineer

David D. Kunkler — for DENNIS J. McLERRAN, Air Pollution Control Officer

MEJ

Form 50-118, (1/91)

Puget Sound Air Pollution Control Agency

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

Notice of Construction No. 7645

Registration No. 13124

Date DEC 1 1998

The Spray Application of Specialized Coatings inside the Transonic Wind Tunnel at Plant 2, Bldg 2-83.

APPLICANT

L M Babich III
Boeing Commercial Airplane Group (Plant 2)
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

OWNER

Boeing Commercial Airplane Group (Plant 2)
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

INSTALLATION ADDRESS

Boeing Commercial Airplane Group Plant 2), 7755 E Marginal Wy S Plant II, Seattle, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. In accordance with Regulation I, Section 9.16(a), Boeing is hereby granted approval for the spray application of specialized coatings like pressure sensitive paint and sublimation coatings inside the transonic wind tunnel at Plant 2, Building 2-83, as an approved alternate technique for controlling overspray and odors.
4. Boeing shall not cause or allow fallout from the coating operation such that the presence of fallout remains visible at or near the transonic wind tunnel exhaust.

APPEAL RIGHTS

Pursuant to PSAPCA'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 PSAPCA within 30 days of the date the applicant receives this Order.

Abigail C. Lee
Abigail Lee
Reviewing Engineer

Jay M. Willenberg, PE
Reviewing Engineer

David O. Kmil
for Dennis J. McLerran
Air Pollution Control Officer

mej

Puget Sound Air Pollution Control Agency

Notice of Construction No. 7737

Registration No. 13124

Date APR 6 1999

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

Miscellaneous Spray Coating Operations, outside of a spray enclosure, for items that cannot be reasonably handled in an enclosed spray area as provided by PSAPCA Regulation I, Section 9.16(b)(6) and 40 CFR 63.745(g)(4)(ix), located at Boeing Plant 2.

APPLICANT

L M Babich III
Boeing Commercial Airplane Plant 2
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

OWNER

Boeing Commercial Airplane Plant 2
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

INSTALLATION ADDRESS

Boeing Commercial Airplane Group (Plant 2), 7755 E Marginal Wy S Plant 2, Seattle, WA, 98108

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 Air Pollution Control 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 PSAPCA.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. Boeing shall limit spray coating operations outside of a spray booth to operations such as:

   (a) Coating areas that were covered by holding fixtures, tooling, or protective masking during original painting operations,

   (b) Coating over sealants applied throughout the manufacturing process,

   (c) Coating areas which are imperfections like poor coverage, scratched, damaged paint, runs in paint, fish eyes, etc.,

   (d) Coating areas on large subassemblies normally scheduled to be painted in ventilated enclosures, but required to travel due to out-of-sequence work,

   (e) Coating areas of fasteners, components, assemblies, subassemblies, or surfaces that are joined, replaced, damaged, repaired, or trimmed,

   (f) Coating prior to joining dissimilar metal components,

   (g) Stencil, decorative, or temporary marking operations,

   (h) Touchup of bushings and other similar parts,

   (i) Sealant detackifying,

   (j) Rework operations performed on antique aerospace vehicles or components, and

APR 6 1999

(k) Coating areas on large subassemblies or parts that are too large to be reasonably handled in an enclosed spray booth.

4. Boeing shall not cause or allow fallout from spray painting operations such that the presence of the fallout remains visible at or near any building exhaust.

APPEAL RIGHTS

Pursuant to PSAPCA'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 PSAPCA within 30 days of the date the applicant receives this Order.

Abigail C. Lee
Abigail Lee
Reviewing Engineer

JMW PE
Jay M. Willenberg, PE
Reviewing Engineer

David O. Klein
for Dennis J. McLerran
Air Pollution Control Officer

mej

Puget Sound Clean Air Agency

Notice of Construction No. 7880

Registration No. 10107

Date AUG 4 1999

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

One Universal Tire Shop Media Blast Machine with a DC200 Dust Collector rated at 1,210 cfm located in the 3-818 Building.

APPLICANT

Jon Turvey, Mgr., Environmental Engr
Boeing Commercial Airplane Group
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

OWNER

Boeing Commercial Airplane Group
PO Box 3707, MC 63-41
Seattle, WA 98124-2207

INSTALLATION ADDRESS

Boeing Commercial Airplane (NBF), 7755 E Marginal Wy S 2-25 Bldg, Seattle, WA, 98108

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. Boeing shall install and maintain a gauge to measure the pressure drop across the dust collector filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.

4. Once each month, Boeing shall determine if the pressure drop across the exhaust filters is in the acceptable range. If the pressure drop is not within the acceptable range, Boeing shall take corrective action as specified in the operation and maintenance plan.

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.

Abigail C. Lee
Abigail Lee
Reviewing Engineer
mej

Jay M. Willenberg, PE
Reviewing Engineer

for David D. Kline
Dennis J. McLerran
Air Pollution Control Officer

Puget Sound Clean Air Agency

Notice of Construction No. 8051

Registration No. 13124

Date FEB 29 2000

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

One JBI IDB-188-S Dry Filter System Spray Coating Booth rated at 14,400 cfm to paint completed wind tunnel models, parts of models, test fixtures to hold the models and other non-aerospace production parts in the wind tunnel in the Model Shop, and one Dust Collector rated at 7,500 cfm to collect wood dust in the Wood Shop, both located in the 2-88 Building.

APPLICANT

Carol Cenci
Boeing Commercial Airplane Group (Plant 2)
PO Box 3707, MC 19-16
Seattle, WA 98124-2207

OWNER

Boeing Commercial Airplane Group (Plant 2)
PO Box 3707, MC 19-16
Seattle, WA 98124-2207

INSTALLATION ADDRESS

Boeing Commercial Airplane Group (Plant 2), 7755 E Marginal Wy S Plant 2, Seattle, WA, 98108

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. Boeing shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.

4. Once during each shift that the spray booth is used, Boeing shall determine and record if the pressure drop across the exhaust filters is in the acceptable range. If the pressure drop is not within the acceptable range, Boeing shall take corrective action as specified in the facility's Operation and Maintenance Plan.

5. There shall be no visible emissions or fallout from the dust collector.

6. The dust collector shall be inspected at least once each week it is used. Inspections shall include a check of the exhaust for visible emissions and fallout, and a check of the pressure drop across the filters.

7. If visible emissions, fallout, or abnormal pressure drop are observed, Boeing shall investigate the cause and either initiate repairs or shut down the woodworking equipment vented to the baghouse within 24 hours of the observation.

8. Records of all weekly inspections and corrective actions shall be made available to Puget Sound Clean Air Agency personnel upon request.

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.

Abigail Lee
Reviewing Engineer

for

Jay M. Willenberg, PE
Reviewing Engineer

for Dennis J. McLerran
Air Pollution Control Officer

mej

Puget Sound Clean Air Agency

110 Union Street, Suite 500, Seattle, WA 98101-2038

Notice of Construction No. 8072

Registration No. 10107

Date MAR 9 2000

GENERAL REGULATORY ORDER

Under the authority of Puget Sound Clean Air Agency Regulation I, Section 3.03, General Regulatory Orders, this Order is issued to:

Boeing Commercial Airplane (NBF)

for the facility located at:

7755 E Marginal Wy S 2-25 Bldg
Seattle, WA 98108

Proposed Averaging Scheme for Primers:

1. Boeing Commercial Airplane North Boeing Field may use any combination of uncontrolled primers, including waterborne primers, at one or more emission units, within that same facility, where aerospace exterior commercial priming operations occur that are subject to 40 CFR 63.745(c), provided that:

(a) The monthly volume-weighted average organic HAP content of the combination of exterior commercial primers does not exceed 650 g/liter (less water); and

(b) The monthly volume-weighted average VOC content of the combination of exterior commercial primers does not exceed 650 g/liter (less water and exempt solvents). [Nov. 30, 1999 EPA Letter]

2. (a) Boeing shall maintain records of the monthly volume-weighted average mass of organic HAP emitted per unit volume of primer as applied (less water) (Ha) for all exterior commercial primers for which averaging is used to meet the HAP content limit (as determined by the procedures specified in 40 CFR 63.750(d)); and all data and calculations used to determine Ha for each emission unit for which Boeing wishes to use this averaging scheme to demonstrate compliance with the HAP content limit. [40CFR 63.752(c)(4)]

(b) Boeing shall maintain records of the monthly volume-weighted average mass of VOC emitted per unit volume of primer as applied (less water and exempt solvents) (Ga) for all exterior commercial primers for which averaging is used to meet the VOC content limit (as determined by the procedures specified in 40 CFR 63.750(f)); and all data and calculations used to determine Ga for each emission unit for which Boeing wishes to use this averaging scheme to demonstrate compliance with the VOC content limit. [40CFR 63.752 (c)(4)]

(c) If before the beginning of any calendar month Boeing enters into a log that a specific emission unit or units will only use exterior commercial primers with organic HAP content that does not exceed 650 g/liter (less water) and makes that log available to Puget Sound Clean Air Agency personnel upon request, then Boeing does not need to follow Condition No. 2(a) for that month or months. [WAC 173-401-650(1)]

(d) If before the beginning of any calendar month Boeing enters into a log that a specific emission unit or units will only use exterior commercial primers with VOC content that does not

exceed 650 g/liter (less water and exempt solvents) and makes that log available to Puget Sound Clean Air Agency personnel upon request, Boeing does not need to follow Condition No. 2(b) for that month or months. [WAC 173-401-650(1)]

3. Boeing shall report to Puget Sound Clean Air Agency Operating Permit Certification each value of Ha and Ga, if any, that exceeds the 650 g/liter HAP and VOC content limit, as determined under this averaging scheme. These reports shall be submitted with the facility's semiannual compliance status report. [40CFR 63.753(c)(1)(ii)]

APPEAL RIGHTS

Pursuant to 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, an appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of receiving this Order.

Abigail Lee
Reviewing Engineer

Jay M. Willenberg, PE
Reviewing Engineer

David D. Kuhn for
Dennis J. McLerran
Air Pollution Control Officer

RESOLUTION NO. 913

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE PUGET SOUND CLEAN AIR AGENCY

APPROVING: General Regulatory Orders No 8071, No. 8072 and No. 8073
Proposed Averaging Scheme for Primers

Boeing Commercial Airplane Group - Everett
3003 W Casino Rd
Everett, WA 98201

Boeing Commercial Airplane Group -North Boeing Field
7755 E Marginal Way S
Seattle, WA 98108

Boeing Commercial Airplane - Renton
800 Logan Ave N
Renton, WA 98055

WHEREAS, Boeing Commercial Airplane Group owns and operates airplane manufacturing facilities located at Everett, Seattle and Renton; and

WHEREAS, Boeing Commercial Airplane Group - Everett, North Boeing Field and Renton have proposed averaging scheme for volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) in exterior commercial primers;

WHEREAS, the proposed averaging scheme would allow these facilities to comply with the VOC and HAP requirements for exterior commercial primers by averaging over a month primers used at one or more emissions units together instead of have each coating comply with the coating limits;

WHEREAS, the proposed Orders specify procedures, recordkeeping and reporting requirements consistent with the federal standards for aerospace manufacturing and rework facilities in 40 CFR Part 63, Subpart GG, and Puget Sound Clean Air Agency Regulation III, Section 2.02;

WHEREAS, the Puget Sound Clean Air Agency Board of Directors is authorized to issue general regulatory orders to apply any applicable provision of Chapter 70.94 RCW or rules adopted thereunder, in accordance with Section 3.03 of Regulation I; and

WHEREAS, draft General Regulatory Orders No. 8071, No. 8072 and No. 8073 have been prepared and the public involvement process for issuing general regulatory orders in

Section 3.03 of Regulation I has been followed, including publication of notices in newspapers of general circulation in the area where the facility is located,

WHEREAS, no requests for a public hearing were received, now, therefore,

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE PUGET SOUND CLEAN AIR AGENCY:

The Board of Directors does hereby issue General Regulatory Orders No. 8071, No. 8072 and No. 8073 and recommends that the Department of Ecology submit the Orders to the U. S. EPA for inclusion in the State Implementation Plan.

PASSED AND APPROVED by the Board of Directors at a regular meeting of the Board this 9th day of March 2000.

PUGET SOUND CLEAN AIR AGENCY

By _____
Margaret Pageler
Chairperson, Board of Directors

Attest:

By _____
Dennis J. McLerran
Executive Director

Approved as to form:

By _____
Laurie S. Halvorson
Agency Counsel

Puget Sound Clean Air Agency

Notice of Construction No. 8850

Registration No. 21147

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

Date MAY 21 2003

Miscellaneous Spray Coating Operations, outside of a spray enclosure, for items that cannot be reasonably handled in an enclosed spray area at North Boeing Field.

APPLICANT

Carolyn Corvi
Boeing Commercial Airplane NBF Plant 2
PO Box 3707 MC 63-41
Seattle, WA 98124

OWNER

Boeing Commercial Airplane NBF Plant 2
PO Box 3707 MC 63-41
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane NBF Plant 2, 7700 E Marginal Wy S, Seattle, WA, 98108

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. Boeing shall limit spray coating operations outside of a spray booth to operations such as:

(a) Coating areas that were covered by holding fixtures, tooling, or protective masking during original painting operations,

(b) Coating over sealants applied throughout the manufacturing process,

(c) Coating areas which are imperfections like poor coverage, scratched, damaged paint, runs in paint, fish eyes, etc.,

(d) Coating areas on large sub-assemblies normally scheduled to be painted in ventilated enclosures, but required to travel due to out of sequence work,

(e) Coating areas of fasteners, components, assemblies, subassemblies, or surfaces that are joined, replaced, damaged, repaired, or trimmed,

(f) Coating prior to joining dissimilar metal components,

(g) Stencil, decorative, or temporary marking operations performed by air brush,

(h) Touchup of bushings and other similar parts,

(i) Sealant detackifying,

(j) Coatings operations on the assembly flightline, and

MAY 21 2003

(k) Coating areas on large subassemblies or parts that are too large to be reasonably handled in an enclosed spray booth using CIC coating.

4. This Order of Approval No. 8850 cancels and supersedes Order of Approval No. 7564, dated February 24, 1999.

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.

Agata McIntyre
Reviewing Engineer
ns

Steve Van Slyke PE
Supervising Engineer

Puget Sound Clean Air Agency

Notice of Construction No. 8949

Registration No. 21147

Date 5/3/2006

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

One 34.99 MMBtu/hr (37.67 MMBtu/hr peak) Allison 501-D13 combustion turbine, Serial No. 501392, one 83.2 MMBtu/hr (110.6 MMBtu/hr peak) GE J47-15 combustion turbine Serial No. 047161, and one back-up GE J47-15 combustion turbine Serial No. 047666, installed at the Building 3-368 wind tunnel.

APPLICANT

Carolyn Corvi
Boeing Commercial Airplane NBF Plant 2
PO Box 3707 MC 92-10
Seattle, WA 98124

OWNER

Boeing Commercial Airplane NBF Plant 2
PO Box 3707 MC 92-10
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane NBF Plant 2, 7700 E Marginal Wy S, Seattle, WA, 98108

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. The hours of operations of the Allison 501-D13 turbine shall be limited to 1290 hours per 12 rolling month period. The hours of operations of the GE J47-15 turbine shall be limited to 540 hours per 12 rolling month period.

4. Within 30 days of the end of each month, Boeing shall calculate and record the monthly hours of operation for each turbine and the total hours of operation for each turbine during the most recent 12 rolling month period. These records shall be made available to Puget Sound Clean Air Agency personnel upon request.

5. The emissions from the Allison 501-D13 turbine shall not exceed 30.8 pounds NOx per hour. The emissions from the GE J47-15 turbine shall not exceed 73.2 pounds NOx per hour.

6. Within 90 days after issuance of Order of Approval No. 8949, Boeing shall conduct a source test using EPA Method 20 (or equivalent method approved by the Puget Sound Clean Air Agency) in combination with a method used to determine flow, to determine the hourly NOx emissions from the Allison 501-D13 turbine and the GE J47-15 turbine while firing each turbine at the maximum continuous operating rate. Tests shall be conducted in compliance with Puget Sound Clean Air Agency Reg. I Section 3.07.

7. The Allison 501-D13 and GE J47-15 turbines shall combust only Jet A fuel.

8. The combustion exhaust from the Allison 501-D13 and GE J47-15 turbines shall be vented through unrestricted vertical stacks.

APPEAL RIGHTS

Order of Approval for NC No. 8949

MAY 0 3 2006

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.

Agata McIntyre
Reviewing Engineer

Steven Van Slyke
Supervising Engineer

ns

Puget Sound Clean Air Agency

Notice of Construction No. 10190

Registration No. 21147

Date NOV 29 2010

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

Two (2) 24.5 MMBtu/hr natural gas burning Cleaver-Brooks CB-LE 600 hp with low NOX burners and flue gas recirculation. The steam operating boilers will be at Plant 2, Bldg 2-127.

APPLICANT

Michael L. Verhaar
Boeing Commercial Airplane NBF Plant 2
PO Box 3707, MC 67-74
Seattle, WA 98124

OWNER

Boeing Commercial Airplane NBF Plant 2
PO Box 3707, MC 67-74
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane NBF Plant 2, 7700 E Marginal Wy S, Seattle, WA, 98108

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. These boilers shall only be fired on natural gas.

4. Boeing shall ensure the boilers comply at all times with the following emission limits:

a) The boiler exhaust shall not emit nitrogen oxides (NOX) in excess of 9 parts per million dry, volumetric basis corrected to 3% O2 as determined by EPA Reference Method 7E or the ICAC Test Method for Periodic Monitoring (Conditional Test Method 034); and

b) The boiler exhaust shall not emit carbon monoxide (CO) in excess of 50 parts per million dry, volumetric basis corrected to 3% O2 as determined by EPA Reference Method 10 or the ICAC Test Method for Periodic Monitoring (Conditional Test Method 034).

5. Initial compliance of the boilers with Conditions 5 shall be determined no later than 90 days after initial startup of each boiler. The test shall be conducted with each boiler fired at rated capacity. The performance test shall be conducted in accordance with Puget Sound Clean Air Agency Regulation I, Section 3.07, using EPA Reference Method 7E and 10 respectively.

6. Boeing shall service the boilers at least every 12 months following the initial source test that demonstrated compliance with the emission limits in Condition 5. During these service periods, either EPA reference methods 7E and 10, or the ICAC Test Method for Periodic Monitoring (Conditional Test Method 034) using a portable gas analyzer shall be used.

7. There shall be no visible emissions from boilers other than steam.

NOV 2 9 2010

8. Boeing shall conduct monthly inspections of the boiler stack for visible emissions. Inspections are to be performed during daylight hours while the boiler is in operation. If, during the scheduled inspection or at any other time, visible emissions other than uncombined water are observed, Boeing shall, as soon as possible, but no later than within 24 hours of the initial observation, take corrective action until there are no visible emissions or, alternatively, shut down the boiler until it can be repaired.

9. These boilers are subject to 40 CFR Part 60, Subpart Dc and General Provisions under Subpart A. Records of fuel usage pursuant to 40 CFR 60.48c(g) shall be maintained on a monthly basis and may be in the form of fuel bills or meter readings or any other records that adequately document fuel use.

10. Records of all tests, fuel usage, inspections, and corrective actions required by this Order of Approval shall be maintained for at least two years and be made available to Puget Sound Clean Air Agency personnel upon request.

11. This Order of Approval No. 10190 hereby supersedes and cancels Order of Approval No. 10190, dated November 16, 2010. This was reissued to correct the Order description.

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.

Gretchen Jüttner
Reviewing Engineer

ns

Agata McIntyre, P.E.
Agata McIntyre
Senior Engineer

pscleanair.org
Puget Sound Clean Air Agency

Puget Sound Clean Air Agency

Notice of Construction No. **11268**

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

Registration No. **21147**

Date APR 1 2 2017

Installation of a booth for the spray finishing of aerospace subassemblies. The booth is designed with a Purolator PREBOND® and SuperSorb® SSIII filtration system. Dimensions of the fully-enclosed booth are 12' by 9' by 24' and the design flow rate is 31,200 cfm @ 125 fpm.

APPLICANT

Boeing Commercial Airplane Seattle
PO Box 3707, MC 67-74
Seattle, WA 98124

OWNER

Boeing Commercial Airplane Seattle
PO Box 3707, MC 67-74
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane Seattle, 7700 E Marginal Wy S, Seattle, WA 98108

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.

Emissions Limitations and Standards:

3. Booth operations shall comply with all applicable requirements established in 40 CFR Part 63, Subparts A and GG.
4. Total VOCs (minus water and exempt compounds) sprayed in the booth over any 12-month rolling period shall not exceed 1,900.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (VOC content) may be used to determine VOC sprayed in the booth. The VOC content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the VOC sprayed in the booth.
5. Total chromium sprayed in the booth over any 12-month rolling period shall not exceed 28.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (chromium compounds content) and the associated chromium mole fraction may be used to determine chromium sprayed in the booth. The total chromium content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the total chromium sprayed in the booth.
6. Ethylbenzene sprayed in the booth over any 12-month rolling period shall not exceed 1,270.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (ethylbenzene content) may be used to determine ethylbenzene sprayed in the booth. The ethylbenzene content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the ethylbenzene sprayed in the booth.

7. Benzene sprayed in the booth over any 12-month rolling period shall not exceed 110.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (benzene content) may be used to determine benzene sprayed in the booth. The benzene content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the benzene sprayed in the booth.
8. Cadmium and cadmium compounds sprayed in the booth over any 12-month rolling period shall not exceed 28.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (cadmium and cadmium compounds content) may be used to determine cadmium and cadmium compounds sprayed in the booth. The cadmium and cadmium compounds content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the cadmium and cadmium compounds sprayed in the booth.
9. Lead and lead compounds sprayed in the booth over any 12-month rolling period shall not exceed 28.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (lead and lead compounds content) may be used to determine lead and lead compounds sprayed in the booth. The lead and lead compounds content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the lead and lead compounds sprayed in the booth.
10. Nickel and nickel compounds sprayed in the booth over any 12-month rolling period shall not exceed 28.0 lbs. Materials ordered for use in the booth (order/purchase transactions) along with the associated Safety Data Sheet chemical constituent compositions (nickel and nickel compounds content) may be used to determine nickel and nickel compounds sprayed in the booth. The nickel and nickel compounds content of coatings not used and disposed of as waste may be deducted from the order transactions to determine the nickel and nickel compounds sprayed in the booth.

Operating and Monitoring Requirements:

11. Spray-coating of materials shall be confined to an agency approved booth equipped with a filtration system that completely covers the entire exhaust plenum opening including the edges of the filter bank(s). Compliance demonstration with this requirement must at a minimum include weekly filter bank inspections of the filters, where visible from either the front or back, when spray operations are conducted within that week.
12. The booth shall be operated so that all exhaust air passes through SuperSorb® SSIII filters or alternative filters that achieve equivalent or improved overspray efficiencies for the following particle size ranges (µm): 0.2 to <0.3, 0.3 to <0.4, 0.4 to <0.6, 0.6 to <0.8 µm, 0.8 to <1.0, 1.0 to <1.5 and 1.5 to 2.0. Written approval must be received from the Puget Sound Clean Air Agency before switching to filters with changes to the media, brand name or manufacturer.
13. The booth must be equipped with an operable gauge to indicate the pressure drop across the exhaust filtration system. The acceptable pressure drop range shall be established using the manufacturer's recommendations, specifications, or instruction; or shall be established based on operator experience to maintain filter integrity and compliance with Conditions #11 and #12. The established pressure drop minimum and maximum values must be clearly marked on or nearby the gauge.
14. The booth shall always be operated within the acceptable pressure drop range across the exhaust filter bank while spray-coating. Compliance demonstration with this requirement must at a minimum include weekly pressure drop inspections. Spray-coating in the booth must cease when the pressure drop across the filter bank deviates from the established range and corrective action must be taken prior to spraying in the booth.
15. The exhaust stack of the spray booth shall have a vertical unobstructed discharge to the atmosphere at least six feet above the roofline or nearest air intake located within 50 feet of the stack. A weatherproof stack exhaust configuration that does not obstruct the air flow as it exits the stack is acceptable.
16. All spray applied material must be applied with an air-assisted airless spray gun, electrostatic applicator, airless spray applicator, or high-volume low-pressure (HVLP) spray gun except for situations listed in 40 CFR 63.745 (f)(3). Alternative spray technology must meet a minimum transfer efficiency of 65.0 percent. The procedure used to demonstrate a spray technology's transfer efficiency must be equivalent to South

Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989" and "Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002." A plan describing the test procedure must be developed and submitted to the Agency 30 days prior to conducting any spray technology transfer efficiency test.

17. Spray-coating equipment must be cleaned in such a way that an atomized mist or spray is not discharged without capturing and collecting all cleaning residue and material. When using any VOC-containing material for the cleaning of spray-coating equipment, including paint lines, equipment for collecting the VOC-containing material and minimizing the evaporation to the atmosphere shall be employed. All VOC-containing materials that are flushed through the spray equipment or lines during cleanup shall be collected in a closed container.
18. All rags, wipes, paper, absorbents, and dip sticks that become laden, soaked, or covered in VOC-containing material shall be disposed of in closed containers or bags.
19. All containers used for mixing, storing, or disposal of VOC-containing materials must always be kept closed except during the following situations:
    a. Cleaning of containers.
    b. Adding or removing of materials.
    c. Hand mixing of materials.
    d. Empty containers as defined in WAC 173-303-160.

Recordkeeping Requirements:

20. The following records shall always be kept onsite and up-to-date, and be made readily available to Agency personnel upon request:
    a. The formulation data in Safety Data Sheets (SDS) for each VOC-containing material used in the booth.
    b. Documentation to demonstrate compliance with filter requirements in Condition #12.
    c. Documentation to demonstrate compliance with spray gun requirements in Condition #16.
    d. The Operation and Maintenance (O&M) plan. The O&M plan shall be developed and implemented per Agency's Regulation I. The following shall be included in the O&M plan:
        i. Procedures and criteria for the replacement of booth exhaust filters.
        ii. Procedures and criteria for filter inspections.
        iii. Procedures to correct operation of the booth when the pressure drop across the filter bank deviates from the established range.

21. The following records shall be kept onsite, updated within 30 days of the end of each month for at least two years from the date of generation, and be made readily available to Agency personnel upon request:
    a. Total VOCs (minus water and exempt compounds) sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of VOCs sprayed during the current month and the previous eleven (11) months.
    b. Total chromium sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of total chromium sprayed during the current month and the previous eleven (11) months.
    c. Ethylbenzene sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of ethylbenzene sprayed during the current month and the previous eleven (11) months.
    d. Benzene sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of benzene sprayed during the current month and the previous eleven (11) months.
    e. Cadmium and cadmium compounds sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of cadmium and cadmium compounds sprayed during the current month and the previous eleven (11) months.
    f. Lead and lead compounds sprayed in the booth for each month and the resulting 12-month rolling

total. The 12-month rolling total is defined as the sum of lead and lead compounds sprayed during the current month and the previous eleven (11) months.

g. Nickel and nickel compounds sprayed in the booth for each month and the resulting 12-month rolling total. The 12-month rolling total is defined as the sum of nickel and nickel compounds sprayed during the current month and the previous eleven (11) months.
h. Documentation to demonstrate compliance with filter inspection requirements in Condition #11.
i. Documentation to demonstrate compliance with pressure drop inspection requirements in Condition #14.
j. Documentation verifying any corrective action taken to maintain compliance with this Order of Approval.

Reporting Requirements:

22. The Agency shall be notified in writing 30 days after the end of the month in which a deviation from this Order of Approval is discovered.

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.

Alfredo Arroyo
Reviewing Engineer

Carole Cenci, PE
Compliance Manager

Puget Sound Clean Air Agency

PUGET SOUND
Clean Air Agency

Notice of Construction No. **12271**

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

Registration No. **21147**

Date SEP 1 4 2022

1. One 35,000 cfm R&D spray booth (PPB-E1), and one 28,000 cfm R&D spray booth (PPB-E13), both located at building 2-122, controlled by dry filters complying with 40 CFR 63.745(g)(2)(ii)(A).

2. Two chrome plating/anodizing R&D tank lines, each consisting of twenty-two 80-gallon tanks per line (Lines B and C) and two chrome plating/anodizing R&D tank lines, each consisting of twenty 10-gallon tanks per line (Lines D and E). Chrome plating/anodizing tanks have polyballs. Tank Line A consists of twenty-two 80-gallon tanks, but does not contain any chrome plating or anodizing tanks. All tank lines vent to a KCH Phaser III Series 26,000 acfm scrubber.

OWNER

Boeing Commercial Airplane Seattle
PO Box 3707, MC 9U2-01
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane Seattle
7700 E Marginal Wy S
Seattle, WA 98108

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.

Spray Booths:

3. Spray booth PPB-E1 and spray booth PPB-E13 shall be used for R&D purposes only.
4. The air exhausted from the spray booths shall be vented through Purolator Supersorb III filters or other filters that meet the requirements described in 40 CFR 63.745(g)(2)(ii)(A).
5. Boeing shall install and maintain a gauge to measure the pressure drop across the exhaust filters of the spray booth, and shall mark the acceptable pressure drop range on or nearby the gauge or on a pressure drop log.
6. Boeing shall log the pressure drop across the exhaust filter system of the spray booth at least once per calendar month during months when the spray booth is used.
7. The dry filters shall be checked for proper seating and complete coverage over the exhaust plenum each time that a new pre-filter or secondary filter is installed.
8. Boeing shall at the time of filter installation, check and record that the type of exhaust filters installed at this booth meet the requirements of 40 CFR 63.745(g)(2)(ii)(A).
9. Boeing shall check to see that the pressure gauge functions properly and the pressure drop range is labeled on the log sheets at least quarterly.

SEP 1 4 2022

10. Boeing shall use one of the high transfer efficiency spray coating methods when spray applying coatings. This includes high volume low pressure (0.1 to 10 psig air pressure for atomization), electrostatic, airless air assisted, and electrodeposition.
11. Boeing may use alternative coating methods not identified in Condition 10, providing that:
    a. The alternative coating method is required for the test purpose; and
    b. The alternative is either (i) approved for an associated production activity at a Boeing facility, or (ii) a new method being tested, or (iii) being used to apply a new coating being tested; and
    c. The alternative coating method use activities are documented in a master list to include justification of the criteria in 11(a) and 11(b); and
    d. Operational records shall be maintained for each shift to identify when alternative coating methods were used and reference the justified activity it represents on the master list identified in 11(c).

Tank Lines:

12. Tank lines A, B, C, D, and E shall be used for R&D purposes only.
13. All air exhaust from tank lines A, B, C, D, and E shall vent to the tank line scrubber.
14. The tank line scrubber shall be operated any time electric current is applied to any tank in tank lines A, B, C, D, or E.
15. The surface of tanks containing chromium solutions shall be covered by poly balls equal to or greater the percent used during the Method 306A test required by Condition 21.
16. The scrubber shall be equipped with a pressure drop monitor or gauge and a pH monitor or gauge. The acceptable ranges shall be marked on or near the gauges within 60 days of startup.
17. The pH of the scrubber shall be maintained between 4 and 10.
18. Boeing shall check the pressure drop to verify that it is maintained within the acceptable ranges at least monthly.
19. Boeing shall check the scrubber pH and the scrubber nozzles for pluggage and even flow patterns at least quarterly.
20. The emissions from the outlet of the scrubber shall be limited to 0.15 mg/amp-hr of hexavalent chromium and 0.01 mg/dscm of total chromium.
21. Within 90 days after the start of operation of the tank line, Boeing shall conduct a source test using EPA Method 306A on the exhaust of the scrubber to determine whether the scrubber is operating in compliance with Condition 20. The test shall be conducted in compliance with Agency Regulation I Section 3.07. During the test, Boeing shall:
    a. Operate only chromium electroplating or anodizing tanks
    b. Operate the scrubber at a pH of 4

General:

22. Upon replacement of the chromium plating/anodizing tanks in Line A with indium/nickel sulfate plating operations, this Order of Approval No. 12271 cancels and supersedes Order of Approval No. 9667, issued August 7, 2007. This Order was issued to update the description in the Order of Approval, and all conditions established under Order of Approval No. 9667 that pertain to the equipment authorized under this Order have been carried over to this Order of Approval No. 12271.

Order of Approval for NC No. 12271

SEP 1 4 2022

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.

for Maggie Corbin
Reviewing Engineer

John Dawson PE
John Dawson
Engineering Manager

PUGET SOUND
Clean Air Agency

Puget Sound Clean Air Agency

Notice of Construction No. 12477

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

Registration No. 21147

Date

OCT 15 2024

Laser engraving operations to engrave stainless steel, other metal, and plastic items with markings (including, but not limited to, certification markings, serial numbers and identification numbers) with inorganic particulate emissions from engraving stainless steel controlled by HEPA filtration.

OWNER

Boeing Commercial Airplane Seattle
PO Box 3707, MC 6X2-06
Seattle, WA 98124

INSTALLATION ADDRESS

Boeing Commercial Airplane Seattle
7700 E Marginal Wy S
Seattle, WA 98108

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. All emissions from laser engraving of stainless steel (defined as an alloy with a minimum chromium content of 10.5%, by weight) shall be continuously captured and vented through a fume extraction system with a HEPA filtration system with a particulate removal efficiency of at least 99.95%. Compliance with this condition shall be shown with manufacturer data or other information the Agency deems acceptable. This documentation must be kept on site and viewable by the Agency within 10 business days.
4. The owner or operator shall ensure no visible emissions from the exhaust of the fume extraction system.
5. The facility Operation and Maintenance (O&M) Plan developed in accordance with Regulation I, Section 7.09(b) must address procedures for determining when the fume extraction system is operating properly, and the corrective actions that will be taken when it is not.
6. The owner and/or operator shall record the results of all inspections conducted in accordance with this Order of Approval, and make sure records are available for review by the Agency upon request. Records shall include at a minimum, the date and time of each inspection, the observations during the inspection, and any maintenance or corrective action taken as a result of the inspections.

Order of Approval for NC No. 12477

OCT 15 2024

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.

for Maggie Corbin
Reviewing Engineer

John Dawson
Engineering Manager

WASHINGTON DEPARTMENT OF ECOLOGY
MAILSTOP PV-11
OLYMPIA, WASHINGTON 98504

IN THE MATTER OF:	]	
	]	NO. PSD-90-04 AMENDMENT 1
Boeing Commercial Airplane Group	]	FINAL APPROVAL
P.O. Box 3707 MS 63-01	]	OF PSD APPLICATION
Seattle, WA 98124-2207	]	

Pursuant to the U.S. 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 New Source Review (NSR) regulations set forth in the Washington Administrative Code 173-403-080 and based on the complete Prevention of Significant Deterioration application submitted by Boeing Commercial Airplane Group (Boeing) and the technical analysis performed by the Department of Ecology (Ecology), dated November 19, 1990, and the information suubmitted by Boeing in their September 26, 1994 and March 13, 1995 letters requesting an amendment to PSD-90-04, the Department of Ecology now finds the following:

FINDINGS

1. Boeing Commercial Airplane Group (Boeing) proposed to build a new paint hangar designated the 3-380 Building at the Seattle North Boeing Field facility located in the northwest corner of the King County International Airport ("Boeing Field") and adjacent to Boeing Plant II. Ecology issued PSD-90-04 in February, 1990, allowing the commencement of construction of the new paint hangar to accommodate cleaning and painting new Model 737 and Model 757 airplanes. Boeing commenced operations of the 3-380 Building in 1992. On September 26, 1994 and March 13, 1995 Boeing requested changes in Condition 5 of this Approval. The requested changes: reduce specificity of coating application methodologies allowing

increased flexiblity while maintaining BACT; and eliminate a handling procedure for soiled wipes (rags), which prevents the emission of an estimated 0.06 ton of volatile organic compounds per year.

2. North Boeing Field and Boeing Plant II together quality as a major source because, combined, they emit more than 250 tons per year of volatile organic compounds (VOC). The new 3-380 Building qualified as a major modification to this source because it had the potential to increase VOC emissions more than 40 tons per year. It is located in an area which is designated Class II for the purposes of PSD evaluation under 40 CFR 52.21 dated July 1, 1988.

3. The proposed site is within an area which was designated as attainment as regards to the state and national air quality standards for ozone at the time of approval of the original PSD Application.

4. The modifications proposed to North Boeing Field and Boeing Plant II in the original PSD Application had the potential to emit up to an additional 109 tons of VOC per year. The modification proposed to Condition 3 of this Approval will cause no net change in the estimated potential to emit VOC. The modification proposed to Condition 5 of this Approval will reduce the estimated potential to emit VOC by 0.06 ton per year.

5. The emissions of VOC are subject to PSD review.

6. Best available control technology (BACT) for the cleaning and painting inside the 3-380 Building has been determined to be:

   a) High transfer efficiency coating application methods including electrostatic/electrodeposition, high volume, low pressure (HVLP), dip, flow, and brush/roll-on;

b) Capture, containment and recovery of paint gun cleaning solvents;

c) Capture and containment of VOCs emitted from spent cleaning rags; and

d) Low pressure application of bulk solvent.

7. All operations in the 3-380 Building will comply with Regulation II of the Puget Sound Air Pollution Control Agency.

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

9. The project is anticipated to have no noticeable affect on industrial, commercial or residential growth in the Seattle 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 with the approval conditions.

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 3-380 Building shall not exceed 109 tons per year.

2. Boeing Commercial Airplane Group shall report the quantities and VOC content of the cleaning solutions and paints and the VOC emissions annually to the Puget Sound Air Pollution Control Agency.

3. High transfer efficiency coating application methods including electrostatic/electrodeposition, high volume, low pressure (HVLP), dip, flow, and brush/roll-on shall be used.

4. Spray guns shall be cleaned by a method which captures and recovers solvents and is approved by the Puget Sound Air Pollution Control Agency.

5. Spent solvent cleaning rags shall be deposited in containers which shall be kept closed except when it is necessary to add or remove spent solvent cleaning rags. All activites related to handling, storage, and disposal of such rags shall be done in accordance with the applicable requirements of Chapter 173-303 of the Washington Administrative Code, as amended through December 8, 1993, and in such a manner as to otherwise minimize the emissions of VOC.

6. Bulk application of solvent shall be by low pressure hose.

7. Boeing commercial Airplane Group shall obtain offsetting reductions of VOC by reducing actual emissions from existing sources in the Puget Sound area by 120 tons per year. The offsets shall produce a net air quality benefit. Within 180 days of the date of this approval, Boeing Commercial Airplane Group shall submit to Ecology procedures for insuring reductions are obtained and maintained. All reductions shall be accomplished within 180 days of startup.

8. All operations in the 3-380 Building shall comply with Regulation II of the Puget Sound Air Pollution Control Agency.

9. This approval shall become void if construction of the 3-380 Building is not commenced within eighteen (18) months after receipt of final approval, or if construction of the 3-380 Building is discontinued for a period of eighteen (18) months.

10. 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 Ecology or Puget Sound Air

Pollution Control Agency enforcement under applicable regulations. Nothing in this determination shall be construed so as to relieve the company of its obligations under any state, local, or federal laws or regulations.

11. The company shall notify Ecology and Puget Sound Air Pollution Control Agency in writing within thirty days of the beginning of painting and cleaning operations.

12. Access to the 3-380 Building by the U.S.Environmental Protection Agency (EPA), Ecology, state or local regulatory personnel shall be permitted upon request for the purpose of compliance assurance inspections. Failure to allow access is grounds for revocation of this determination of approval.

Reviewed by:

Alan T. Butler, P.E.
Air Quality Program
Washington Department of Ecology

5/11/95
Date

Approved by:

Joseph R. Williams
Manager, Air Quality Program
Washington Department of Ecology

5/17/95
Date