



# Puget Sound Air Pollution Control Agency

Notice of  
Construction No. 1001  
NOV 20 1979  
Date \_\_\_\_\_

HEREBY GRANTS

PERMISSION TO CONSTRUCT, INSTALL, OR ESTABLISH

Two Binks NFB-20-9-T paint spray booths, each with two 15,000 cfm Binks

33SQA Fans

APPLICANT

Mr. Rodney D. Koop, MS 54-41	NAME
The Boeing Company	NAME
P. O. Box 3707, Org A-605	STREET
Seattle, Washington	STREET
	CITY
	STATE
	ZIP

OWNER

NAME
STREET
STREET
CITY
STATE
ZIP

## INSTALLATION ADDRESS

Bldg. 17-06, 700 15th St. S.W.	STREET	Auburn	Washington	98022
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## SUBJECT TO THE FOLLOWING RESTRICTIONS

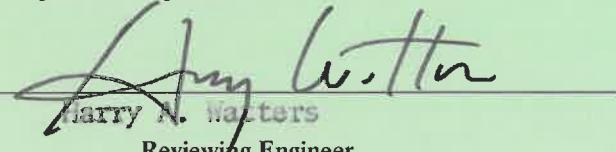
### GENERAL

Permission is hereby granted as provided in Article 6 of Regulation I of the PSAPCA 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. This approval is not a waiver of liability for the infraction of Regulation I nor does it relieve the APPLICANT or OWNER of any requirements of other government agencies.

### SPECIFIC

A. R. Dammkoehler

Air Pollution Control Officer

  
Harry N. Watters  
Reviewing Engineer  
tp

Form 50-118 Approved 11/73

# Puget Sound Clean Air Agency



Notice of  
Construction No. 2003

Registration No. 13117

Date OCT 19 1999

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

Two Skin Mill Chip Collection Systems consisting of a Cincinnati Skin Mill, a Classifier rated at 7,000 cfm, Garden City fan No. 19-RF-2 and Flex-Kleen Dust Collector Model No. 100-WRC-80(III)

### APPLICANT

Edward J. Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

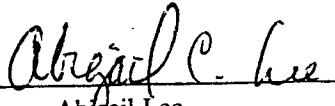
Boeing Commercial Airplane (Auburn), 700 15th St SW, Auburn, WA, 98002

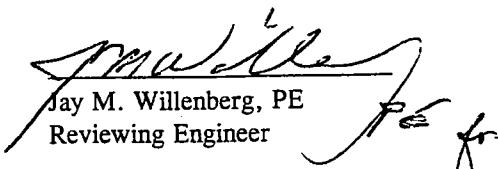
### THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

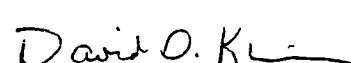
1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering 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. This Order of Approval No. 2003, issued to correct description, hereby supersedes and cancels Order of Approval No. 2003 dated Oct 23, 1979.

### 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  
Reviewing Engineer  
mej

  
Jay M. Willenberg, PE  
Reviewing Engineer  
PE for

  
Dennis J. McLellan  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

HEREBY GRANTS  
PERMISSION TO CONSTRUCT, INSTALL, OR ESTABLISH

Notice of  
Construction No. 2004  
JUL 23 1979  
Date \_\_\_\_\_

Eleven spar mill chip collection systems consisting of spar mill, classifier, Garden City  
No. 26-RF-2 radial blade 13,571 cfm fan and Flex-Kleen Dust Collector, Model  
No. 100-WRC-160 (III)

Mr. Rod Koop  
The Boeing Company  
M/S 5H-41  
P. O. Box 3707  
Seattle, WA 98124

NAME \_\_\_\_\_  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Same  
NAME \_\_\_\_\_  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

## INSTALLATION ADDRESS

700 - 15th Avenue SW

STREET

Auburn, Washington 98002

CITY STATE ZIP

## SUBJECT TO THE FOLLOWING RESTRICTIONS

### GENERAL

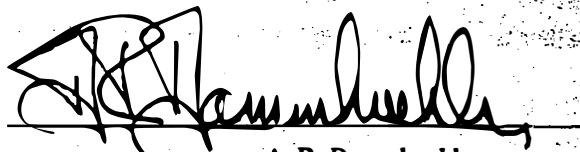
Permission is hereby granted as provided in Article 6 of Regulation I of the PSAPCA to the APPLICANT to install, alter, or establish the equipment, device, or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the ENGINEERING DIVISION of PSAPCA. This approval is not a waiver of liability for the infraction of Regulation I nor does it relieve the APPLICANT or OWNER of any requirements of other government agencies.

  
H. A. Wattars

Reviewing Engineer

mh

### SPECIFIC



A. R. Dammkoehler

Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 2876  
**FEB 25 1987**  
Date \_\_\_\_\_

One Carter Day Model 160 HPW-8 baghouse at 31,000 cfm to control wood and plastic dust.

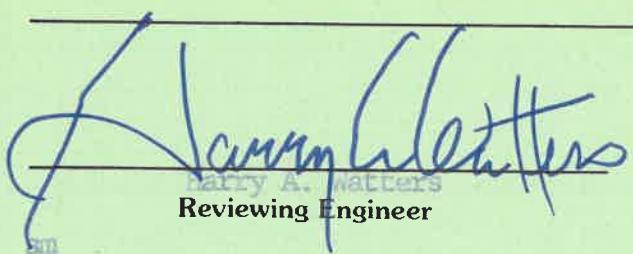
A P P L I C A N T	Mr. R. M. Love The Boeing Company	NAME	same	NAME	
	P.O. Box 3707, M/S 5505	STREET	OWNER	STREET	
	Seattle,	WA	98124	CITY	STATE
	CITY	STATE	ZIP	CITY	STATE

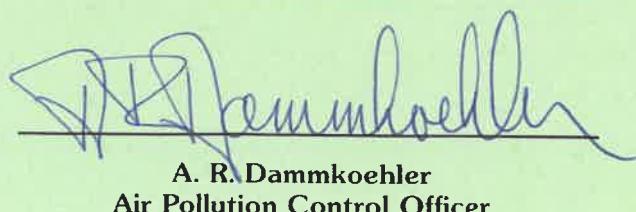
INSTALLATION ADDRESS

Bldg. 17-04, Bay 4; 700 - 15th Street S.W.,	Auburn,	WA	98002
STREET	CITY	STATE	

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

  
A. R. Dammkoehler  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 2886  
Date MAR 23 1987

Relocate 400,000 gallon storage tank for Bunker C oil, 48 ft. diam. by 32 ft. high

Mr. R. M. Love  
Boeing Commercial Airplane Co.  
P. O. Box 3707, M/S 55-05  
Seattle, WA 98124

NAME  
STREET  
CITY STATE ZIP

SAME  
NAME  
STREET  
CITY STATE

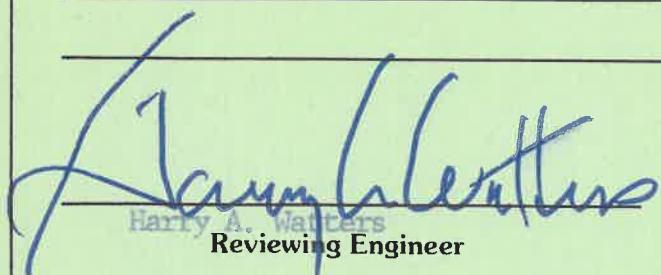
## INSTALLATION ADDRESS

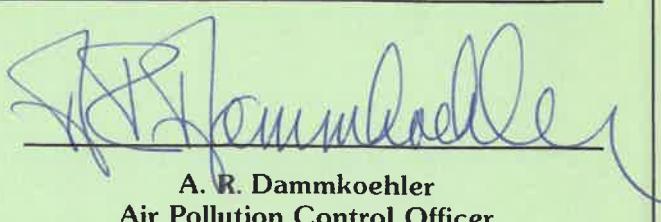
South of Bldg. 17-09, 700 - 15th Ave. S.W., Auburn, WA 98002

STREET CITY STATE

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

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Harry A. Watters  
Reviewing Engineer

  
A. R. Dammkoehler  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

One Aerolyte/Omega OMB 290-P9-D Plastic Media Blast with an Aerolyte/Omega RPH-3R Reverse Pulse Jet Cartridge Baghouse  
at 2500 cfm, in the Emergent Manufacturing Facility (EMF), Bldg 17-68, Col C-10.5.

Registration No. 13117

Notice of  
Construction No. 3740

Date: JAN 10 1993

RANDY LOVE

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BOEING COMMERCIAL AIRPLANE CO (AUB)  
PO BOX 3707 MS 55-05  
SEATTLE WA 98124

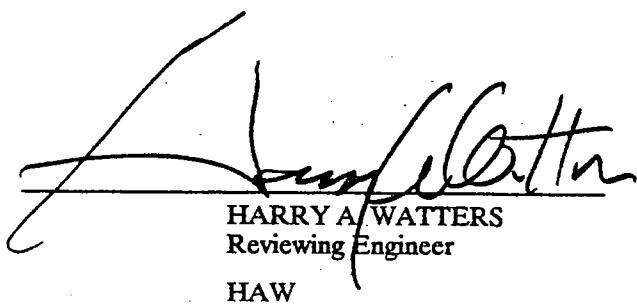
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BOEING COMMERCIAL AIRPLANE CO (AUB)  
PO BOX 3707 MS 55-05  
SEATTLE WA 98124

## INSTALLATION ADDRESS

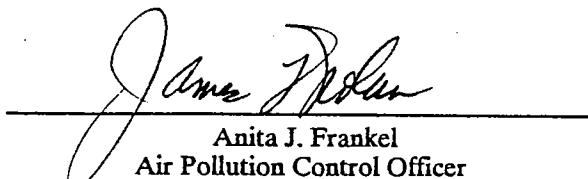
BOEING COMMERCIAL AIRPLANE CO (AUB), 700 15TH ST SW, AUBURN, WA, 98002

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

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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. 13117

Notice of  
Construction No. 4192

Date NOV 14 1991

Three Day 128 RFW8 Baghouses at 11,000 cfm aech and one Day RFW 10 Baghouse at 7,000 cfm to control aluminum chips from the wing skin milling operation outside of the 17-06 Bldg at Col A-16.

DAVE MUMMEY

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 57-04  
SEATTLE WA 98124-2207

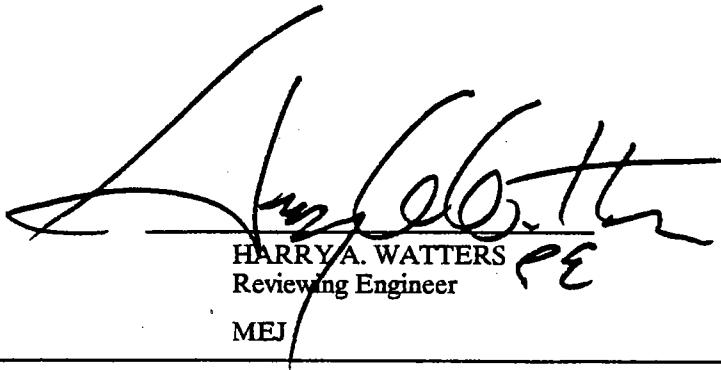
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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 57-04  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (AUBURN), 700 15TH ST SW, AUBURN, WA, 98002

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

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



HARRY A. WATTERS  
Reviewing Engineer  
PE  
MEJ



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. 13117

Notice of  
Construction No. 4684

Date OCT - 2 1992

One Vacublast Shot Peen System with a Torit Downflow Cartridge Dust Collector at 2,000 cfm (68F) in Building 17-07.

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A BOEING COMMERCIAL AIRPLANE (AUBURN)  
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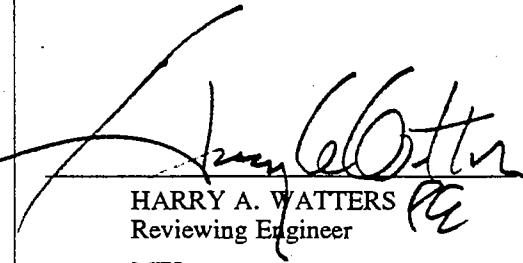
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N PO BOX 3707 MS 30-AX  
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R SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (AUBURN), 700 15TH ST SW, AUBURN, WA, 98002

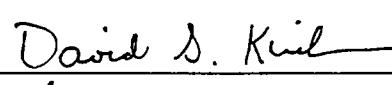
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3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

  
HARRY A. WATTERS  
Reviewing Engineer

MEJ

  
ABIGAIL C. LEE  
Reviewing Engineer

  
David S. Kiel  
for 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. 13117

Notice of  
Construction No. 4687

Date OCT - 2 1992

**One Progressive Technologies 5 Axis Nozzle Shot Peener with a C-15 Progressive Technologies Dust Collector at 5,000 cfm (68F) in Building 17-07.**

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

O BOEING COMMERCIAL AIRPLANE (AUBURN)  
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R PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

**INSTALLATION ADDRESS**

**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 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.
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HARRY A. WATTERS  
Reviewing Engineer  
MEI

ABIGAIL C. LEE  
Reviewing Engineer

David D. Krich  
for 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. 13117

Notice of  
Construction No. 4732

Date NOV 18 1992

One Paint Mixing Area at 900 cfm (70F) and one Paint Test Spray Booth at 16,000 cfm (70F) located in the 17-66 Building. This replaces the same operation currently performed at the Renton Plant.

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

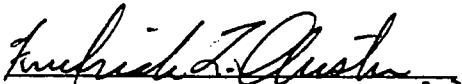
BOEING COMMERCIAL AIRPLANE (AUBURN), 900 15TH ST AVE SW, AUBURN, WA, 98002

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

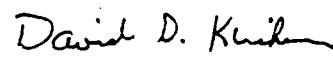
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ABIGAIL C. LEE  
Reviewing Engineer  
MEJ



FREDRICK L. AUSTIN P.E.  
Reviewing Engineer



for ANITA J. FRANKEL  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Three Metal Shop Cleaning Dust Collection Systems at 7,000 cfm each located in Building 17-06 at Columns C23, C24, and D5.

Registration No. 13117

Notice of  
Construction No. 5092

Date AUG 17 1993

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

BOEING COMMERCIAL AIRPLANE (AUBURN), 700 15TH ST SW, AUBURN, WA, 98002

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

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

*Abigail C. Lee* *Jay M. Willenberg, P.E.* *David D. Kinsel*  
ABIGAIL C. LEE JAY M. WILLENBERG DAVID D. KINSEL  
Reviewing Engineer Reviewing Engineer Director of Compliance  
MEJ for for  
for JAMES L. NOLAN  
MEJ

# Puget Sound Air Pollution Control Agency

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

One Thomas Industries dry filter Paint Spray Booth (21'x14'x8.3') exhausted at 15,350 cfm, located in 17-08 Building, C5.5.

Registration No. 13117

Notice of  
Construction No. 5404

Date APR 13 1995

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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.
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3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. This Order of Approval No. 5404 issued to simplify the description hereby supersedes and cancels Order of Approval No. 5404 dated May 11, 1994.

*Abigail C. Lee*

ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg & David D. Kuhn*

JAY M. WILLEMBERG  
Reviewing Engineer

DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

One Thomas Industries dry filter Paint Spray Booth (21'x14'x8.3') exhausted at 15,350 cfm, located in the Ops Tech Chem Lab in the 17-08 Building, C5.5, for coating various aerospace and prototype parts. High Transfer Efficiency (HVLP) spray equipment will be used for the spray coating operation.

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

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R PO BOX 3707 MS 30-AX  
R SEATTLE WA 98124-2207

**INSTALLATION ADDRESS**

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

Abigail C. Lee SMW, Bala

ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

JAY M. WILLENBERG *RE*  
Reviewing Engineer

David A. Knill

*for* ARTHUR DAVIDSON  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 5985

Date JUN 5 1995

A Braze-Molten Salt Bath Operation with a Scrubber located in Bldg. 17-62/B1.

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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  
MEJ

*Jay M. Willenberg PE*

JAY M. WILLEMBERG  
Reviewing Engineer

*Dennis J. McLerran*

DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

One Paint Booth located in Bldg 17-66/J8.

Registration No. 13117

Notice of  
Construction No. 5987

Date JUN 5 1995

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SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 30-AX  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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  
MEJ

*Jay M. Willenberg*

JAY M. WILLENBERG  
Reviewing Engineer

*Dennis J. McLerran*

DENNIS J. McLERRAN  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 6115

Registration No. 13117

Date JUN 29 1999

One Torit Baghouse rated at 7,000 cfm (MSS 64989) located in Building 17-10.

## APPLICANT

Edward J Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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. A gauge to indicate the static pressure differential across the bags shall be installed and maintained for the baghouse. Within 90 days after beginning equipment operations, the acceptable range shall be clearly marked on or nearby the gauge.
4. This Order of Approval No. 6115, issued to amend description and location, hereby supersedes and cancels Order of Approval No. 6115 dated Jul 14, 1995.

## 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  
mej

Jay M. Willenberg  
Jay M. Willenberg, PE  
Reviewing Engineer

David D. Kue  
Dennis J. McLellan  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 6115

Date JUL 14 1995

One Torit Baghouse rated at 7,000 cfm (MSS 62439) used to collect richlight dust as generated from ten conventional machine tool cutting operations located in Building 17-65, F.1/3.3 outside.

JENNETTE RAMOS

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PO BOX 3707 MS 5H-09  
SEATTLE WA 98124-2207

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 5H-09  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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.
4. A gage to indicate the static pressure differential across the bags shall be installed and maintained for the baghouse. Within 90 days after beginning equipment operations, the acceptable range shall be clearly marked on or nearby the gage.

*Abigail C. Lee*

ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg*

JAY M. WILLENBERG  
Reviewing Engineer

*Dennis J. McLerran*

DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 6526

Date JUL 24 1996

One VIRON International Corporation, Model #VVS120120, vertical Scrubber rated at 40,440 cfm, for eliminating acid fumes from the air pulled through the exhaust duct from the No. 12 Deox Tank from an aluminum anodizing tankline, located in the Northwest corner of the 17-06 Building.

JENETTE RAMOS

A BOEING COMMERCIAL AIRPLANE (AUBURN)  
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## INSTALLATION ADDRESS

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 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.
4. A differential pressure indicator to measure the differential pressure across the scrubber packing shall be installed and maintained. Within 90 days after beginning operations, the acceptable range shall be clearly marked on or nearby the differential pressure indicator.

*Abigail C. Lee*  
ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg*  
JAY M. WILLENBERG  
Reviewing Engineer

*Dennis J. McLellan*  
DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 6719

Date MAR 7 1997

One replacement Dust-Hog Model FJH-24-3 Cartridge Type Dust Collector rated at 8,000 cfm for controlling and collecting used shot and metal chips from the Wheelabrator Shop Peening Operations located in Building 17-07.

JENETTE RAMOS

A BOEING COMMERCIAL AIRPLANE (AUBURN)  
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R SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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.
4. Boeing shall install and maintain a gauge to measure the pressure drop across the dust collector exhaust filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauges.
5. Opacity from the dust collector shall not exceed 5 percent. The reference test method for measuring opacity is EPA Method 9.

*Abigail C. Lee*

ABIGAIL C. LEE  
Reviewing Engineer

MEJ

*Jay M. Willenberg*

JAY M. WILLEMBERG  
Reviewing Engineer

*for Dennis J. McLerran*  
DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Penetrant Application System with a Mist Eliminator rated at 6,335 cfm located in Building 17-06 used to spray dye  
penetrant fluid on airplane parts.

Registration No. 13117

Notice of  
Construction No. 6742

Date MAR 4 1997

JENETTE RAMOS

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 5H-09  
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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 5H-09  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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

MEJ

*Jay M. Willenberg PE*

JAY M. WILLENBERG  
Reviewing Engineer

*for Dennis J. McLerran*  
DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 6756

Date FEB 4 1997

The use of an Alternate Means of Compliance with the coating application methods required by Regulation II, Section 3.09(c), for the application of a waterbased Temporary Protective Coating (TPC) with a negligible VOC content, less than 0.001 lb/gal of VOC, in a spray enclosure using airless and air-assisted spray guns for the application of these coatings.

JENETTE RAMOS

A BOEING COMMERCIAL AIRPLANE (AUBURN)  
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R SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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.
4. As an alternate means of compliance with Regulation II, 3.09(c), application methods other than those listed in 3.09(c), airless and air-assisted spray guns attached directly to the container of TPC, may be used when applying TPC if the VOC content of the TPC is less than 1% by weight, as determined from the manufacturer's Material Safety Data Sheet.

Abigail C. Lee

ABIGAIL C. LEE  
Reviewing Engineer

MEJ

Jay M. Willenberg PE

JAY M. WILLENBERG  
Reviewing Engineer

David S. Kueh

for DENNIS J. MCLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 6777

Date JAN 28 1998

One Torit DFT 3-24 Cartridge Type Dust Collector rated at 11,000 cfm for controlling and collecting used shot and metal chips from the Shot Peening Operations located in Bldg. 17-06.

## JENETTE RAMOS

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SEATTLE WA 98124-2207

### INSTALLATION ADDRESS

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 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.
4. Boeing shall install and maintain a gauge to measure the pressure drop across the dust collector exhaust filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.
5. Opacity from the dust collector shall not exceed 5 percent. The reference test method for measuring opacity is EPA Method 9.
6. This Order of Approval No. 6777, issued to remove Wheelabrator as the manufacturer of the shot peener, hereby supersedes and cancels Order of Approval No. 6777 dated Mar 7, 1997.

Abigail C. Lee

ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

Jay M. Willenberg PE  
JAY M. WILLENBERG

JAY M. WILLEMBERG  
Reviewing Engineer

David D. Kirsch

*for* DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

One Torit DFT 3-24 Cartridge Type Dust Collector rated at 11,000 cfm for controlling and collecting used shot and metal chips from the Wheelabrator Shot Peening Operations located in Bldg. 17-06.

Registration No. 13117

Notice of  
Construction No. 6777

Date MAR 7 1997

JENETTE RAMOS

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PO BOX 3707 MS 5H-09  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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.
4. Boeing shall install and maintain a gauge to measure the pressure drop across the dust collector exhaust filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.
5. Opacity from the dust collector shall not exceed 5 percent. The reference test method for measuring opacity is EPA Method 9.

*Abigail C. Lee*  
ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg*  
JAY M. WILLEMBERG  
Reviewing Engineer

*David D. Kirlin*  
for DENNIS J. McLERRAN  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7045

Registration No. 13117

Date DEC 18 1998

Replace existing Scrubber #4 with a Viron VVS-120120 Vertical Wet Scrubber rated at 51,000 cfm for controlling alkaline mist vapors from alkaline process tanks, located within the 17-07 Building.

## APPLICANT

David Hoffman, Environmental Affairs  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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. A gauge to indicate the static pressure differential across the scrubber will be installed and maintained. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.
4. This Order of Approval No. 7045, issued to amend description to better reflect future functions of the scrubber, hereby supersedes and cancels Order of Approval No. 7045 dated Nov 25, 1997.

## 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 Lee

Abigail Lee  
Reviewing Engineer  
mej

Jay M. Willenberg, PE

Reviewing Engineer

David O. Klein

Dennis J. McLellan  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 7045

Date NOV 25 1997

Replace existing Acid Scrubber #4 with a Viron VVS-120120 Vertical Wet Scrubber rated at 51,000 cfm for controlling acid mist vapor from process tanks (including degreasing, etching, passivation and deoxidizing tanks) within the 17-07 Building.

JENETTE E RAMOS

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 5R-14  
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PO BOX 3707 MS 5R-14  
SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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. A gauge to indicate the static pressure differential across the scrubber will be installed and maintained. 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  
MEJ

*Jay M. Willenberg*  
JAY M. WILLENBERG  
Reviewing Engineer

*for Dennis J. McLellan*  
for DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Two replacement Dust Collector Systems, a Combination Torit Cyclone Separator and Baghouse with pulsing auto/reverse air, rated to 8,000 cfm each, to collect aluminum chips, shavings and dust from skin mill operations in the 17-06 Building.

JENETTE E RAMOS

A P BOEING COMMERCIAL AIRPLANE (AUBURN)  
P L PO BOX 3707 MS 5H-09  
C I SEATTLE WA 98124-2207  
A N T

O W BOEING COMMERCIAL AIRPLANE (AUBURN)  
N E PO BOX 3707 MS 5H-09  
R WA 98124-2207

## INSTALLATION ADDRESS

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 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 gauges to measure the pressure drop across the baghouse filters. Within 90 days after beginning operations, the acceptable ranges for the gauges shall be clearly marked on or nearby the gauges.
4. Once each month that the dust collectors are used, Boeing shall determine and record if the pressure drop across the unit is in the acceptable range.
5. 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.
6. This Order of Approval covers the deactivation and replacement of two existing combination cyclone separators and baghouses that were approved as part of a group of seven dust collection systems in Order of Approval No. 2003 dated Oct 23, 1979.

*Abigail C. Lee*  
ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg*  
JAY M. WILLEMBERG  
Reviewing Engineer

*for Dennis J. McLerran*  
for DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 7264

Date NOV 25 1997

**One Viron WS-7284-FRP-22 Alkaline Wet Scrubber rated at 22,000 cfm for controlling alkaline sources from existing process tanks (including alkaline cleaning, emulsion cleaning, and scale conditioning) within the 17-68 Building.**

## JENETTE E RAMOS

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BOEING COMMERCIAL AIRPLANE (AUBURN)  
PO BOX 3707 MS 5R-14  
SEATTLE WA 98124-2207

O BOEING COMMERCIAL AIRPLANE (AUBURN)  
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PO BOX 3707 MS 5R-14  
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SEATTLE WA 98124-2207

**INSTALLATION ADDRESS**

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 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. A gauge to indicate the static pressure differential across the scrubber will be installed and maintained. 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  
MEJ

JAY M. WILLENBERG  
JAY M. WILLENBERG  
Pittsburgh, Pennsylvania

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

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 7271

Date MAY 29, 1998

De-rate one Riley/Union Iron Works MH-120E gas-fired Boiler (#4) from 196 MMBtu/hr to 95 MMBtu/hr, equipped with low NOx burners, located in Bldg 17-09.

JENETTE E RAMOS

A P BOEING COMMERCIAL AIRPLANE (AUBURN)  
P L PO BOX 3707 MS 5R-14  
I C SEATTLE WA 98124-2207  
A N T

O W BOEING COMMERCIAL AIRPLANE (AUBURN)  
N E PO BOX 3707 MS 5R-14  
R SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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 Auburn shall not allow the Riley Boiler to emit any air contaminant that causes greater than 5% opacity as determined by EPA Method 9.
4. Boeing Auburn shall limit the fuel for the Riley/Union Iron Works MH-120E gas-fired boiler (#4) to natural gas only.
5. Boeing Auburn shall comply with applicable requirements of the New Source Performance Standard (NSPS) requirements of 40 CFR Part 60, Subpart A "General Provisions" and Subpart Dc "Standards of Performance for Small Industrial-Commercial Units" and shall submit, in duplicate, a notification to the U.S. Environmental Protection Agency (EPA) Region 10, Director, Office of Air Quality, 1200 Sixth Ave, Seattle, WA 98101, and to PSAPCA. Notification shall include the date construction commenced, the date of initial startup, the design heat input capacity and identification of the fuels being combusted per Sections 60.48c and 60.7
6. Boeing Auburn shall record and maintain records of the amount of fuel combusted during each month, in lieu of the "daily" recordkeeping requirement of 40 CFR 60.48c(g). Documentation may be in the form of fuel bills or meter readings, or other records that adequately document fuel usage.
7. This Order of Approval No. 7271, issued to de-rate the boiler to 95 MMBtu/hr, hereby supersedes and cancels Order of Approval No. 4899 dated May 15, 1995.

*Abigail C. Lee*

ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg PE*

JAY M. WILLEMBERG  
Reviewing Engineer

*David O. Kru*

for DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 7279

Date FEB 24 1998

Replacement of two existing 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.

JENETTE E RAMOS

A BOEING COMMERCIAL AIRPLANE (AUBURN)  
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C SEATTLE  
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WA 98124-2207

O BOEING COMMERCIAL AIRPLANE (AUBURN)  
W  
N PO BOX 3707 MS 5R-14  
E  
R SEATTLE  
WA 98124-2207

## INSTALLATION ADDRESS

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 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 (Auburn) shall install and maintain gauges to measure the pressure drop across the 3-stage dry filter system of each spray booth. Within 90 days after beginning operations, the acceptable ranges for the gauges shall be clearly marked on or nearby the gauges.
4. No later than September 1, 1998, once during each shift that the spray booths are used, Boeing (Auburn) shall determine and record if the pressure drop across the 3-stage dry filter system is in the acceptable range.
5. If the pressure drop is not within the acceptable range, Boeing (Auburn) shall take corrective action as specified in the facility's Operation and Maintenance Plan.
6. Boeing (Auburn) shall comply with the Aerospace National Emission Standards for Hazardous Pollutants (NESHAP), 40 CFR 63 Subpart GG and the General Provisions of the NESHAP, 40 CFR Part 63 Subpart A by September 1, 1998.
7. The sum of the actual volatile organic compound (VOC) emissions from paint usage in the two booths combined shall not exceed 30 tons during any 12 consecutive months after the date of this Order. Boeing (Auburn) shall notify PSAPCA, in writing, within 30 days after the end of each 12-month period if, during that period, emissions of VOC exceed 27 tons. Boeing (Auburn) shall calculate VOC emissions monthly and retain a record of the calculations for a period of five years. The calculations shall be made available to PSAPCA upon request.
8. This Order of Approval hereby supersedes and cancels Order of Approval No. 2097 dated Jun 17, 1980.

*Abigail C. Lee*

ABIGAIL C. LEE  
Reviewing Engineer

MEJ

*Jay M. Willenberg*  
JAY M. WILLENBERG  
Reviewing Engineer

*David D. Kunk*  
for DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

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.

Registration No. 13117

Notice of  
Construction No. 7302

Date MAR 31 1998

JENETTE E RAMOS

A BOEING COMMERCIAL AIRPLANE (AUBURN)  
P  
L PO BOX 3707 MS 5R-14  
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C SEATTLE WA 98124-2207  
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O BOEING COMMERCIAL AIRPLANE (AUBURN)  
W  
N PO BOX 3707 MS 5R-14  
E  
R SEATTLE WA 98124-2207

## INSTALLATION ADDRESS

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 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 instrumentation to measure the pressure drop across the three-stage dry filter system of each spray booth. Within 90 days after beginning operations, the acceptable ranges for the pressure drop shall be clearly marked on or nearby the instrumentation.
4. On and after September 1, 1998, or upon start-up, whichever is later, once each shift that the spray booths are used, Boeing shall record the pressure drop during operation across the three-stage dry filter systems of each of the booths used during that shift.
5. 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.
6. Boeing shall install and maintain HEPA filters downstream of the three-stage aerospace NESHAP filters on each spray booth.

*Abigail C. Lee* *Jay M. Willenber* *David D. Kunk*

ABIGAIL C. LEE  
Reviewing Engineer

MEJ

JAY M. WILLEMBERG  
Reviewing Engineer

for DENNIS J. McLERRAN  
Air Pollution Control Officer

# Puget Sound Air Pollution Control Agency

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

Registration No. 13117

Notice of  
Construction No. 7332

Date APR 14 1998

One Viron Wet Scrubber rated at 41,000 cfm to replace an existing Fume Scrubber used for controlling emissions from 7 process tanks (one alkaline etch, one deoxidation, one aqueous degreasing, one boric/sulfuric acid anodizing, one alodine, one dilute chromate seal and one rinse) located in the 17-07 Building.

JENETTE E RAMOS

A      P      O      W  
P      BOEING COMMERCIAL AIRPLANE (AUBURN)  
L      PO BOX 3707 MS 5R-14  
I  
C      SEATTLE      WA      98124-2207  
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O      BOEING COMMERCIAL AIRPLANE (AUBURN)  
W  
N      PO BOX 3707 MS 5R-14  
E  
R      SEATTLE      WA      98124-2207

## INSTALLATION ADDRESS

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 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 pressure differential gauge across the scrubber packing and a pH monitoring system on the Viron wet scrubber. Within 90 days after the approval date of this Order of Approval, the acceptable range shall be marked on or nearby the pressure differential gauge, and the pH monitoring system will be operational and will indicate if the scrubber is operating outside of the acceptable pH range.
4. This Order of Approval No. 7332, issued to replace an existing scrubber, hereby supersedes and cancels Order of Approval No. 2124 dated Jul 2, 1980.

*Abigail C. Lee*

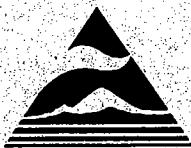
ABIGAIL C. LEE  
Reviewing Engineer  
MEJ

*Jay M. Willenberg*

JAY M. WILLENBERG P.E.  
Reviewing Engineer

*David O. Kuehn*

DENNIS J. McLERRAN  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7591

Registration No. 13117

Date NOV 24 1998

One Torit TD 573 Dust Collector rated at 1,200 cfm located in the MR&D Laboratory in the 17-66 Building, used to collect graphite, metal, composite and wood dust from small band saws, drills, routers, sanders, and similar equipment.

## APPLICANT

Edward J Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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 dust collector filters. Within 90 days after submitting the Notice of Completion, 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 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  
mej

*Jay M. Willenberg*

Jay M. Willenberg, PE  
Reviewing Engineer

*David O. Kuhl*

Dennis J. McLellan  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7613

Registration No. 13117

Date NOV 30 1998

One Torit 2DF4 Dust Collector rated at 2,000 cfm located near Column B-11 of the 17-07 Building, to collect emissions from a powder developer application process.

## APPLICANT

Edward J Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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 dust collector filters. Within 90 days after submitting the Notice of Completion, 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 PSAPCA's Régulation 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  
mej

Jay M. Willenberg, PE David D. Kinn  
Jay M. Willenberg, PE  
Reviewing Engineer

Dennis J. McLellan  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7635

Registration No. 13117

Date NOV 30 1998

One Torit DFT3-24 Dust Collector rated at 7,500 cfm to control emissions from Shot Peening aluminum and steel aerospace parts manufactured in the 17-07 Building.

## APPLICANT

Edward Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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 dust collector filters. Within 90 days after submitting the Notice of Completion, 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 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  
mej

*Jay M. Willenberg*  
Jay M. Willenberg, PE  
Reviewing Engineer

*David D. Kneib*  
Dennis J. McLellan  
PE Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7639

Registration No. 13117

Date DEC 15 1998

One Dry Lubricant Spray Coating Booth rated at 14,445 cfm located in Building 17-68.

## APPLICANT

Jenette E Ramos  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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 spray booth filters. Within 90 days after submitting the Notice of Completion, 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 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  
mej

Jay M. Willenberg, PE  
Jay M. Willenberg, PE  
Reviewing Engineer  
*PL for* Dennis J. McLellan  
Dennis J. McLellan  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7689

Registration No. 13117

Date APR. 9 1999

One Bleeker Brothers Dry Filter Spray Coating Booth with three-stage Aerospace NESHAP-compliant filters located in Building 17-45.

## APPLICANT

Edward J Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

## INSTALLATION ADDRESS

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 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 spray booth exhaust filter systems. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.
4. Boeing shall log the pressure drop across the exhaust filter system once each shift that the spray booth is used for spraying primers or topcoats as defined in 40 CFR 63.742, unless the primers or topcoats have inorganic HAP concentrations of less than 0.1 percent for carcinogens and 1.0 percent for non-carcinogens. If the recorded pressure drop is not within the acceptable range, Boeing shall take applicable corrective action as specified in 40 CFR 63.745(g)(3).
5. This Order of Approval No. 7689, issued to amend Condition No. 4, hereby supersedes and cancels Order of Approval No. 7689 dated Mar 5, 1999.

## 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

Jay M. Willenberg, PE  
Reviewing Engineer

David D. Kish

Dennis J. McLellan  
Air Pollution Control Officer



# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 7689

Registration No. 13117

Date MAR 5 1999

One Bleeker Brothers Dry Filter Spray Coating Booth with three-stage Aerospace NESHAP-compliant filters located in Building 17-45.

**APPLICANT**

Edward J Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

**OWNER**

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

**INSTALLATION ADDRESS**

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 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 spray booth exhaust filter systems. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.
4. Boeing shall log the pressure drop across the exhaust filter system once each shift that the spray booth is used. If the recorded 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 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  
mej

Jay M. Willenberg, PE

Jay M. Willenberg, PE  
Reviewing Engineer

David O. Kent

Dennis J. McLellan  
Air Pollution Control Officer

# Puget Sound Clean Air Agency



Notice of  
Construction No. 8029

Registration No. 13117

Date NOV 19 2007

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

Two Dry Filter Spray Coating Booths, five Water Wash Spray Coating booths, one Hand-dip Tankline and Aluminum Anodize Tankline (the A/A tankline), with four Scrubbers, one Chemical Milling Tankline with two Scrubbers, one Organic Stripline with two Scrubbers, and one Dye Penetrant Process with a Baghouse located in Building 17-45.

### APPLICANT

**Edward J Cierebiej**  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

**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. Boeing shall install and maintain gauges to measure the pressure drop across the filter media of each scrubber controlling the "AA-tankline" and the "chemical milling tankline" in the 17-45 building. The acceptable range for the pressure drop on each scrubber shall be clearly identified on or near the gauge or in the records of the pressure drop.
4. Once each week Boeing shall record the pressure drop across each scrubber controlling the "AA-tankline" and the "chemical milling tankline". Monitoring of the pressure drop on scrubber No. 4 must start within 90 days after the new scrubber begins operating. If the pressure drop is not within the acceptable range, Boeing shall take corrective action as specified in the facility's Operations and Maintenance Plan.
5. Boeing shall install and maintain gauges to measure the pH of the scrubbing liquor on each of the scrubbers controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". The acceptable range for the pH for each scrubber shall be clearly identified on or near the gauge or in the records of the pH.
6. Once each week Boeing shall record the pH of the scrubbing liquor in each of the scrubbers controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". Monitoring of the pH on scrubber No. 4 must start within 90 days after the new scrubber begins operating. If the pH is not within the acceptable range, Boeing shall take corrective action as specified in the facility's Operations and Maintenance Plan.
7. Boeing shall install and maintain gauges to measure either the water flow rate or the water pressure at the water headers

## Order of Approval for NC No. 8029

on each of the scrubbers controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". The acceptable range for this gauge shall be clearly marked on or near the gauge or in the records of the water flow rate or water pressure.

8. Boeing shall record the water flow rate or water pressure in each of the scrubbers controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline" on a weekly basis. Monitoring of the water flow or water pressure on scrubber No. 4 must start within 90 days after the new scrubber begins operating. If the water flow rate or water pressure is not within the acceptable range, Boeing shall take corrective action as specified in the facility's Operations and Maintenance Plan.

9. Boeing shall conduct and make a record of monthly inspections for the scrubbers controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". Monthly inspection of scrubber No. 4 must start within 90 days after the new scrubber begins operating. Monthly inspections shall include the following:

- (a) Check nozzles for pluggage and even flow patterns,
- (b) Check for leaks, and
- (c) Check for visible emissions.

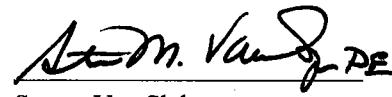
If any nozzles are malfunctioning, or if any leaks or visible emissions are noted during such inspections, Boeing shall take corrective action as specified in the facility's Operations and Maintenance Plan.

10. This Order of Approval No. 8029, issued to allow replacement of scrubber No. 4, hereby supersedes and cancels Order of Approval No. 8029 dated May 30, 2001.

### 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  
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\_\_\_\_\_  
Steven Van Slyke  
Supervising Engineer



# Puget Sound Clean Air Agency

Notice of  
Construction No. 8747

Registration No. 13117

Date DEC 19 2002

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

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.

### APPLICANT

Edward J.Cierebiej  
Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane (Auburn)  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

**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. Boeing shall install exhaust filters that meet the requirements of 40 CFR 63.745(g)(2)(ii).
4. Boeing shall comply with all applicable requirements of 40 CFR 63 Subpart GG.
5. The air exhausted from this spray booth shall be vented through HEPA filters with a control efficiency of 99.97% or greater.
6. Boeing shall install and maintain a gauge to measure the pressure drop across the exhaust filters of the spray booth. Within 90 days after issuance of this Order of Approval, the acceptable range for the gauge shall be clearly marked on or nearby the gauge or on a pressure drop log.
7. Boeing shall read and record the pressure drop once each shift of operation on a log. If the pressure drop is not within the acceptable range, Boeing shall, as soon as practicable but within 24 hours of the initial observation either; correct the pressure drop or, alternatively, shut unit or activity until it can be repaired.
8. Boeing shall check the primary dry filter systems, where visible, for proper seating and complete coverage over the exhaust plenum, and shall record the results of this inspection. This inspection shall be conducted monthly or at time of use if booth is used less frequently than once per month. If filter coverage is acceptable for all inspections in a one year period, this inspection frequency may be reduced to once per calendar quarter. If coverage is unacceptable during quarterly inspections, monthly inspections shall be reinstated. If coverage is found to be unacceptable, Boeing shall, as soon as practicable but within 24 hours of the initial observation either; correct filter coverage or, alternatively, shut down the booth or activity until it can be repaired.

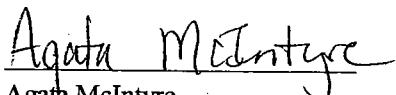
## Order of Approval for NC No. 8747

DEC 19 2002

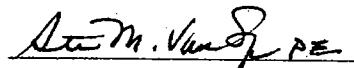
9. Boeing shall annually check that the exhaust filters installed at this booth meet the requirements of 40 CFR 63.745(g)(2)(ii).
10. Boeing shall check to see that the pressure gauge functions properly and the pressure drop range is labeled on the log sheets at least quarterly.
11. Boeing shall comply with the requirements of Puget Sound Clean Air Agency Regulation II Section 3.09.

### 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



Steven Van Slyke  
Supervising Engineer

# Puget Sound Clean Air Agency

Clean Air Agency

Notice of  
Construction No. 8835

Registration No. 13117

Date 7/1/2003

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

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.

### APPLICANT

Edward J. Cierebiej  
Boeing Commercial Airplane, Auburn  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane, Auburn  
PO Box 3707 MC 5R-14  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

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. Boeing shall install exhaust filters that meet the requirements of 40 CFR 63.745(g)(2)(ii).
4. Boeing shall comply with all applicable requirements of 40 CFR 63 Subpart GG.
5. Boeing shall install and maintain a gauge to measure the pressure drop across the exhaust filters of the spray booth. The acceptable range for the gauge shall be clearly marked on or nearby the gauge or on a pressure drop log.
6. Boeing shall read and record the pressure drop once each shift of operation on a log. If the pressure drop is not within the acceptable range, Boeing shall, as soon as practicable but within 24 hours of the initial observation either; correct the pressure drop or, alternatively, shut unit or activity until it can be repaired.
7. Boeing shall check the primary dry filter systems, where visible, for proper seating and complete coverage over the exhaust plenum, and shall record the results of this inspection. This inspection shall be conducted monthly or at time of use if booth is used less frequently than once per month. If filter coverage is acceptable for all inspections in a one year period, this inspection frequency may be reduced to once per calendar quarter. If coverage is unacceptable during quarterly inspections, monthly inspections shall be reinstated. If coverage is found to be unacceptable, Boeing shall, as soon as practicable but within 24 hours of the initial observation either; correct filter coverage or, alternatively, shut down the booth or activity until it can be repaired.
8. Boeing shall annually check that the exhaust filters installed at this booth meet the requirements of 40 CFR 63.745(g)(2)(ii).
9. Boeing shall check to see that the pressure gauge functions properly and the pressure drop range is labeled on the log.

# Order of Approval for NC No. 8835

sheets at least quarterly.

JUL 01 2003

10. Boeing shall comply with the requirements of Puget Sound Clean Air Agency Regulation II Section 3.09.

## 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  
Supervising Engineer

# Puget Sound Clean Air Agency

Notice of  
Construction No. 9133

Registration No. 13117

Date 12/29/2004

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

One nitrogen dioxide fume scrubber (scrubber MSS# 17145) rated at 50,000 cfm, in addition to the existing acid scrubber system serving the titanium etching tankline in Building 17-62. A second identical nitrogen dioxide fume scrubber (scrubber MSS# 17146) that can be used as an alternate nitrogen dioxide scrubber instead of MSS# 17145.

### APPLICANT

Edward J.Cierebiej  
Boeing Commercial Airplane Auburn  
PO Box 3707 MC 5A 45  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane Auburn  
PO Box 3707 MC 5A 45  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

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. Boeing (Auburn) shall install and maintain gauges at the NO<sub>2</sub> scrubber to measure the pH, pressure differential across the packed beds, and liquid flow rate. Within 180 days after the start-up of the scrubbers, the acceptable ranges for each of the above parameters shall be clearly marked on or near the respective gauges.
4. Once each month during which the NO<sub>2</sub> scrubber is operational, Boeing (Auburn) shall record the pH, pressure differential across the packed beds, and liquid flow rate for the NO<sub>2</sub> scrubber. If the above parameters are not within the acceptable range, Boeing (Auburn) shall take corrective action as specified in the facility's Operations and Maintenance Plan and make record of the corrective action taken.
5. All records maintained in compliance with this Order of Approval shall be maintained on-site for at least two years and made available to Agency personnel upon request.
6. This NOC 9133 supersedes and cancels NOC 8542 dated July 18, 2001.

### 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.

Order of Approval for NC No. 9133

DEC 29 2004

Agata McIntyre

Agata McIntyre  
Reviewing Engineer  
ns

Steven Van Slyke

Steven Van Slyke  
Supervising Engineer

# Puget Sound Clean Air Agency

Notice of  
Construction No. 9134

Registration No. 13117

Date 12/29/2004

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

One nitrogen dioxide fume scrubber (Scrubber MSS# 17376) rated at 43,000 cfm, in addition to the existing acid scrubber system serving the titanium etching tankline in Building 17-68. A second identical nitrogen dioxide fume scrubber (Scrubber MSS# 17377) can be used as an alternate nitrogen dioxide scrubber instead of MSS#17376.

### APPLICANT

Edward J.Cierebiej  
Boeing Commercial Airplane Auburn  
PO Box 3707 MC 5A 45  
Seattle, WA 98124-2207

### OWNER

Boeing Commercial Airplane Auburn  
PO Box 3707 MC 5A 45  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

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. Boeing (Auburn) shall install and maintain gauges at the NO<sub>2</sub> scrubber to measure the pH, pressure differential across the packed beds, and liquid flow rate. Within 180 days after the start-up of the scrubbers, the acceptable ranges for each of the above parameters shall be clearly marked on or near the respective gauges.
4. Once each month during which the NO<sub>2</sub> scrubber is operational, Boeing (Auburn) shall record the pH, pressure differential across the packed beds, and liquid flow rate for the NO<sub>2</sub> scrubbers. If the above parameters are not within the acceptable range, Boeing (Auburn) shall take corrective action as specified in the facility's Operations and Maintenance Plan and make record of the corrective action taken.
5. All records maintained in compliance with this Order of Approval shall be maintained on-site for at least two years and made available to Agency personnel upon request.
6. This NOC 9134 supersedes and cancels NOC 8543 dated July 18, 2001.

### 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.

Order of Approval for NC No. 9134

DEC 29 2004

Agata McIntyre

Agata McIntyre  
Reviewing Engineer  
ns

Steven Van Slyke

Steven Van Slyke  
Supervising Engineer

# Puget Sound Clean Air Agency



Notice of  
Construction No. 10014

Registration No. 13117

Date APR 28 2009

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

Plasma arc cutting operations on a downdraft table used to cut scrap metal parts outside of 17-13 Reclamation Bldg. controlled by a 3000 cfm dust collector with microfiber filters followed by HEPA filters.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. The downdraft table fan shall be on at all times while plasma cutting is taking place. All air from the downdraft table shall be routed to the dust collector.
4. Parts being cut with the plasma cutter will be placed on the downdraft table.
5. There shall be no visible emissions from the plasma cutting operation.
6. The dust collector shall be equipped with cartridge filters having a MERV rating of 15 or higher followed by HEPA filters.
7. Within 60 days of issuance of this Order of Approval, the normal operating pressure drop across the dust collector filters shall be marked on (or near) the gauge and be included in the Operation & Maintenance plan.
8. The dust collector shall be inspected at least monthly while the plasma cutter is operating. If visible emissions or fallout are observed or the pressure drop is outside the normal range, Boeing shall either:
  - a) take corrective action until there are no visible emissions or fallout, and the pressure drop is within the normal range, or
  - b) shut down the plasma cutter until the dust collector is repaired.

The results of the inspection shall be logged.

## Order of Approval for NC No. 10014

### APPEAL RIGHTS

APR 28 2009

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, PE

Agata McIntyre  
Reviewing Engineer  
ns

Steven Van Slyke

Steven Van Slyke  
Supervising Engineer

# Puget Sound Clean Air Agency



Notice of  
Construction No. 10234

Registration No. 13117

Date

JAN 11 2011

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

One 2,600 cubic foot dry lubricant spray booth, with 20,000 cfm air flow, located in Bldg 17-68.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. Spray booth exhaust filters shall have a capture efficiency of 98% or greater, as demonstrated consistent with ASHRAE Method 52.1, or an equivalent filter accepted by the Agency, such as the Paint Pockets PP Series filter.
4. Boeing shall install and maintain a gauge to measure the pressure drop across the exhaust filters and mark the acceptable pressure drop range on or near the gauge, or on a pressure drop log.
5. Spray coating operations shall be conducted using high volume low pressure (HVLP) spray guns or other spray equipment with a transfer efficiency that is at least equivalent to HVLP. Documentation of equivalency for non-HVLP spray equipment shall be maintained on site.
6. Boeing shall record if the pressure drop across the exhaust filters is in the acceptable range at least weekly when the spray booth is used.
7. Boeing shall check the primary dry filter system, where visible, for complete coverage over the exhaust plenum and proper seating of the filters, and shall record the results of this inspection. This inspection shall be conducted weekly or at time of use if the booth is used less frequently than once per week.
8. If improperly seated filters, incomplete coverage over the exhaust plenum, or pressure drop outside of the acceptable range are observed, Boeing shall, as soon as practicable but within 24 hours of initial observation either; correct the problem or, alternatively, shut down the unit until it can be repaired.
9. Boeing shall not spray apply any coating or lubricant in this booth that contain cadmium, chromium or lead compounds.

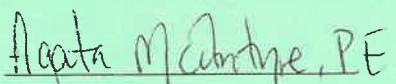
## Order of Approval for NC No. 10234

JAN 11 2011

10. VOC emissions from this spray booth shall not exceed 7.0 tons during any rolling 12 calendar month period.
11. Within 30 days of the end of each month, Boeing shall calculate the VOC emissions from the spray booth for the latest 12 calendar month period.

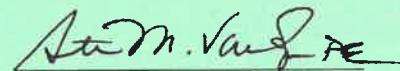
### APPEAL RIGHTS

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



Steven Van Slyke  
Compliance Manager

# Puget Sound Clean Air Agency



Notice of  
Construction No. 10298

Registration No. 13117

Date MAY 18 2011

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

One spray gun cleaning operation at spray booth MSS 14921 in Building 17-45.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. Boeing Auburn shall meet the applicable requirements of 40 CFR 63 Subpart GG.
4. Spray gun cleaning shall be done using one of the methods described in 40 CFR 63.744(c) or a combination thereof:
  - a. Enclosed system
  - b. Nonatomized Cleaning
  - c. Disassembled cleaning
  - d. Atomized Cleaning.
5. At no time may solvent discharged from gun cleaning be atomized into the open air or through the exhaust filters.
6. Organic solvents used for cleanup of equipment must be collected and returned to closed containers after every use.

### 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.

**Order of Approval for NC No. 10298**

Agata McIntyre P.E.

Agata McIntyre  
Reviewing Engineer

ns

Steven Van Slyke P.E.

Steven Van Slyke  
Compliance Manager



# Puget Sound Clean Air Agency

Notice of  
Construction No. 10332

Registration No. 13117

Date

JUL 14 2011

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

One spray booth (MSS 55225), 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;

One spray booth (MSS 55224'), 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.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. The air from the spray booths shall exhaust through EPA Method 319 certified filters meeting the requirements of 40 CFR 63.745(g)(2)(ii)(A), such as Purolator Supersorb III filters, or other equivalent filters.
4. Boeing shall install and maintain gauges that measure the pressure drop across all exhaust filter banks of the spray booths and mark the acceptable pressure drop range on or near the gauge, or on a pressure drop log.
5. Boeing shall record the pressure drop across the exhaust filters of each spray booth at least once each shift.
6. If the pressure drop across the exhaust filters is not within the acceptable range, corrective actions shall be taken prior to resuming spray coating activities.
7. Boeing shall check the primary dry filter systems, where visible, for proper seating and complete coverage over the exhaust plenum, and shall record the results of this inspection. The inspection shall be conducted at least monthly or at time of use if a spray booth is used less frequently than once per month.
8. Boeing shall annually check to see if the correct filters are installed.
9. Spray coating operations shall be conducted using high volume low pressure (HVLP) spray equipment, or other

# Order of Approval for NC No. 10332

JUL 14 2011

equipment with a transfer efficiency that is at least equivalent to HVLP. Documentation of equivalency for non-HVLP spray equipment shall be maintained on site.

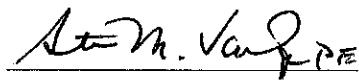
## APPEAL RIGHTS

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



Steven Van Slyke  
Compliance Manager

# Puget Sound Air Pollution Control Agency

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

Notice of  
Construction No. 10338  
Date JUL 21 1989

Stage I Vapor Recovery using EMCO-Wheaton A76 two-point system on one 10,000 gallon underground gasoline storage tank.

A  
P Randy Love, Boeing Commercial Airplanes  
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L PO BOX 3707, MS 57-04  
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C SEATTLE WA 98124  
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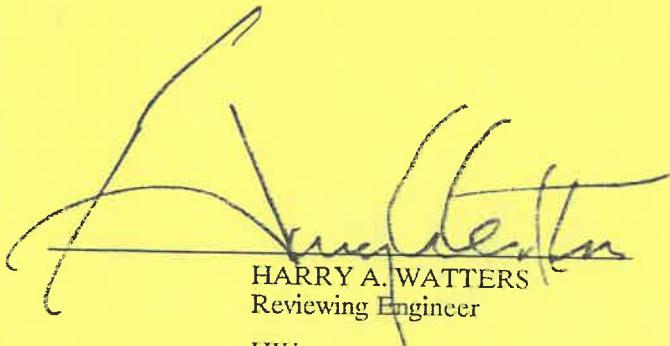
O BOEING COMMERCIAL AIRPLANES  
W  
N PO BOX 3707, MS 57-04  
E  
R SEATTLE WA 98124

## INSTALLATION ADDRESS

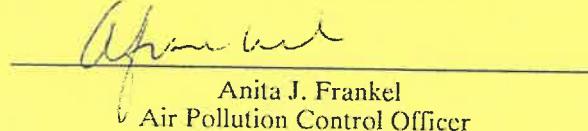
BOEING COMMERCIAL AIRPLANES, Fabrication Division, 900 15th Ave, Bldg 17-64, Auburn, WA, 98001

## 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  
HW



Anita J. Frankel  
Air Pollution Control Officer



# Puget Sound Clean Air Agency

1904 3rd Ave, Ste 105, Seattle, WA 98101-3317

Notice of  
Construction No. 10427

Registration No. 13117

Date

**DEC 12 2012**

## 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 Auburn**

for the facility located at:

**700 15th St SW  
Auburn, WA 98002**

1. Boeing Auburn shall limit facility-wide non-fugitive air emissions of volatile organic compounds (VOC), nitrogen oxides (NOx), and carbon monoxide (CO) during any 12 consecutive month period to:

(a) 249.0 tons of VOC,

(b) 249.0 tons of NOx, and

(c) 249.0 tons of CO.

Fugitive emissions are defined by 40 CFR 52.21(b)(20), in effect on 7/20/2011: those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

2. Boeing Auburn shall monitor the VOC content of all VOC-containing materials used in operations producing non-fugitive emissions at the facility. Boeing Auburn shall maintain manufacturers' material safety data sheets (MSDS), or other manufacturer-supplied data on the VOC content of compounds used at the facility.

3. Beginning April 1, 2013, within 30 days after the end of each calendar month, Boeing Auburn shall calculate monthly non-fugitive air emissions of VOC for that month. Beginning April 1, 2014, within 30 days after the end of each calendar month, Boeing Auburn shall calculate monthly non-fugitive air emissions of VOC and the non-fugitive air emissions of VOC for the previous 12 month period ending with and including that month.

(a) Boeing Auburn shall calculate emissions of VOC from sources other than fuel storage tanks and combustion sources using a mass balance approach, based on purchase or usage records.

(b) Boeing Auburn shall calculate emissions of VOC from breathing losses from fuel storage tanks using EPA's TANKS program or another method approved by the Agency.

(c) Boeing Auburn shall calculate emissions of VOCs from combustion using emission factors approved by the Agency and fuel consumption data.

4. Beginning April 1, 2013, within 30 days of the end of each calendar month, Boeing Auburn shall calculate monthly non-fugitive air emissions of NOx and CO for that month. Beginning April 1, 2014, within 30 days after the end of each calendar month, Boeing Auburn shall calculate monthly non-fugitive air emissions of NOx and CO and the non-fugitive air emissions of NOx and CO for the previous 12 month period ending with and including that month.

(a) Boeing Auburn shall calculate emissions of NOx and CO from combustion using emission factors approved by the

# General Regulatory Order for NC No. 10427

DEC 12 2012

Agency and fuel consumption data.

(b) Boeing Auburn shall calculate NOx emissions from NOx-emitting tanklines by using equations approved by the Agency which take into account chemical reactions and emission control equipment removal efficiency.

5. If the calculated non-fugitive emissions (12 month rolling total), are equal to or less than 150 tpy of VOCs, NOx, or CO, then monthly emission calculations (Conditions 3 and 4) for that pollutant, or those pollutants, may be done quarterly. If calculated non-fugitive emissions thereafter exceed 150 tpy for any pollutant qualifying for the reduced monitoring frequency, then the monitoring frequency for that pollutant must revert to monthly. The revised frequency shall remain in effect until the calculated non-fugitive emissions of that pollutant (12 month rolling total) are less than 150 tpy for any six consecutive months.

6. Beginning April 1, 2014, Boeing Auburn shall notify the Agency, in writing, within 60 days after the end of any 12-month period if, during that period, facility-wide emissions of non-fugitive VOC, NOx, or CO exceeded 225 tons. The report shall include 12-month rolling total emissions data for the time period for which this threshold was exceeded.

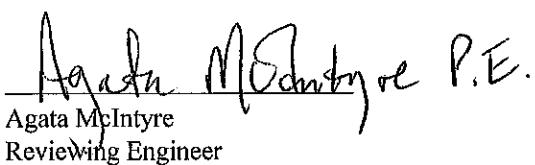
7. Boeing Auburn may deduct for VOC containing materials that are shipped off site as liquid or solid waste from the calculations for Condition 3 if the amount of waste subtracted is calculated using the methods described in a written plan that is pre-approved by the Agency.

8. Records required by this Order shall be maintained (in hard copy or electronic format) for five years and promptly made available to Agency personnel upon request.

9. The effective date for this General Regulatory Order No. 10427 is April 1, 2013. None of the conditions in this Order are enforceable prior to April 1, 2013.

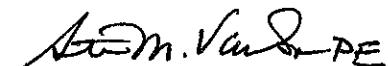
## APPEAL RIGHTS

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.



Agata McIntyre, P.E.

Agata McIntyre  
Reviewing Engineer



Steven Van Slyke, P.E.

Steven Van Slyke  
Compliance Manager

# Puget Sound Clean Air Agency

PUGET SOUND CLEAN AIR AGENCY  
Clean Air Agency

Notice of  
Construction No. 10497

Registration No. 13117

Date 7/9/2012

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

For the installation and operation of two new natural gas-fired ovens in the 17-45 building to support hybrid laminar flow control (HLFC) operations. Each oven has a rated heat input capacity of 3 mmBtu/hr.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**Boeing Commercial Airplane Auburn, 700 15th St SW, Auburn, WA, 98002**

### THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

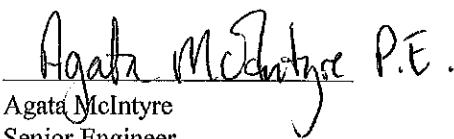
1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering 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. Each oven shall meet the applicable requirements of Subpart A and Subpart DDDDD of 40 CFR 63.

### 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.

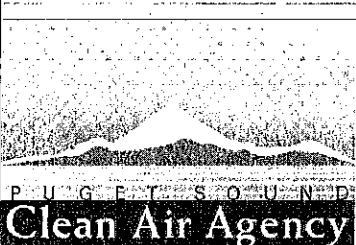


MengChiu Lim  
Reviewing Engineer  
ns



Agata McIntyre  
Senior Engineer

# Puget Sound Clean Air Agency



Notice of  
Construction No. 10540

Registration No. 13117

Date

OCT 25 2012

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

For the modification of an existing 80-gallon chemical process research tank (tank A-20) to research and development hard chrome plating process tank. The tank ventilation stream will be routed through a packed bed scrubber (MSS # 64252).

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. The tanklines shall be used only for R & D purposes.
4. Air exhaust from all actively ventilated tanks in the tanklines shall be vented to scrubber MSS #64252. Scrubber MSS #64252 shall be operated any time a tankline is in use.
5. Boeing shall not operate more than 6 tanks at any one time on each of the tanklines.
6. Whenever tank A18 or A20 on the 80 gallon tankline is used for chromium plating, the tank surface shall be covered with poly balls and the tank shall contain a fume suppressant which limits surface tension to 45 dynes/cm or less (using stalagmometer) or 35 dynes/cm or less (using tensiometer).
7. Tank A18 and A20 shall remain covered when not in use.
8. Whenever tank A18 or A20 is used for chromium plating, Boeing shall check and record the surface tension of the tank at least monthly.
9. Scrubber MSS #64252 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.
10. The pH of the scrubber shall be maintained between 4 and 10.
11. Boeing shall read and record the pressure drop to verify that it is maintained within the acceptable ranges at least

## Order of Approval for NC No. 10540

OCT 25 2012

monthly.

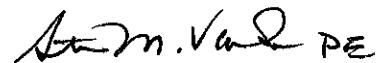
- 12. Boeing shall read and record the scrubber pH and check the scrubber nozzles for pluggage and even flow patterns at least quarterly.
- 13. The emissions from the outlet of the scrubber shall be limited to 0.15 mg/amp-hr of hexavalent chromium and 0.01 mg/dscm of total chromium.
- 14. This Order of Approval No. 10540 supersedes and cancels Order of Approval No. 9864 dated August 29, 2008.

### 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.



MengChiu Lim  
Reviewing Engineer  
ns



Steven Van Slyke  
Compliance Manager



# Puget Sound Clean Air Agency

Notice of  
Construction No. 10653

Registration No. 13117

Date

**OCT 11 2013**

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

One hard metals etching tank and the associated rinse tank. One system consisting of two packed bed wet scrubbers, each with maximum exhaust flow rate of 55,000 acfm.

### APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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. The emission from Tank L-14A/B shall be vented to the wet scrubbers for control. The wet scrubbers shall be operated at all times when the tank is in use.
4. Tank L-14A/B shall be covered when not in use.
5. Boeing shall install and maintain gauges to measure the pH, pressure differential across each scrubber, and the liquid flow rate. The gauges shall be calibrated in accordance with manufacturer's recommendation.
6. Boeing shall operate the scrubber system in accordance with the manufacturer's recommended acceptable ranges or good engineering practices for the pH, the pressure differential across the scrubbers and the liquid flow rate. Within 90 days after the startup of the scrubber, the acceptable range for pressure drop, liquid flow rate, and pH shall be clearly marked on or near the respective gauges.
7. At least once per month when the scrubber is operational, Boeing shall read and record the pH, the pressure differential across the scrubbers and the liquid flow rate. If Boeing discovers any of the parameters is out of the acceptable range, Boeing shall conduct corrective action as specified in the facility's Operation and Maintenance Plan and make record of the corrective action taken.
8. Boeing shall inspect the ductwork and the acid scrubber for evidence of leak and corrosion as specified in the facility's Operations and Maintenance Plan and make record of the corrective action taken.
9. Records to be maintained by this Order of Approval shall be kept onsite for at least five years from the date of

# Order of Approval for NC No. 10653

generation, and made available to Puget Sound Clean Air Agency personnel upon request.

OCT 1 1 2013

## 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.



MengChiu Lim  
Reviewing Engineer  
ns



Carole Cenci  
Senior Engineer

# Puget Sound Clean Air Agency



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

Notice of  
Construction No. 10730

Registration No. 13117

Date MAY 19 2014

A natural gas fired 13 mmBtu/hr autoclave for composite airplane parts curing.

APPLICANT

**Leslie Pierson**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

INSTALLATION ADDRESS

**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. Resins processed in the autoclave shall not contain any styrene. The owner or operator shall keep records of each resin's material safety data sheets or other documentation provided by the manufacturer or supplier.
4. When the turndown ratio for the burner is from 1.62 mmbtu/hr through 6.5 mmbtu/hr, the autoclave shall meet the following emission limits:
  - a. Nitrogen oxides (NOX) in excess of 30 parts per million dry, volumetric basis corrected to 3% O<sub>2</sub>, as determined by EPA Reference Method 7E.
  - b. Carbon monoxide (CO) in excess of 400 parts per million dry, volumetric basis corrected to 3% O<sub>2</sub>, as determined by EPA Reference Method 10.
5. Within 90 days after the initial startup, the owner or operator shall use a hand held analyzer to determine the NOx and CO emissions from the autoclave at various firing rate from at least three process cycles. The result shall be submitted to the Agency upon request.
6. All volatile organic compounds (VOCs) containing liquid or debris contaminated with VOC containing liquid shall be stored in closed containers. The containers shall be closed except when adding to, removing, or mixing the contents. Organic solvents used for cleanup of equipment as well as solvent soaked rags and paper must be collected and returned to closed containers after every use.
7. Records to be maintained by this Order of Approval shall be kept onsite for at least five years from the date of generation, and made available to Puget Sound Clean Air Agency personnel upon request.

# Order of Approval for NC No. 10730

MAY 19 2014

## 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.



MengChiu Lim  
Reviewing Engineer  
ns



Carole Cenci  
Senior Engineer

# Puget Sound Clean Air Agency



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

Notice of  
Construction No. 10846

Registration No. 13117

Date

OCT 23 2014

Modification to Spray Booth (MSS# 56105), 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. The booth was previously permitted under Order of Approval No. 8669. This Order authorizes the use of chromium-containing coatings and application with a robotic spray system.

### APPLICANT

**Leslie Pierson**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

### INSTALLATION ADDRESS

**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.

### COATING USAGE LIMIT:

3. Boeing shall not use more than 575 gallons of primer that contains chromium compounds (including the catalyst or cure) in the spray booth during any consecutive 12-month period. Boeing shall track and record the usage of primer that contains chromium compounds in the booth on a monthly and consecutive 12-month basis.

### VOC AND HAP LIMITS:

4. Organic HAP emissions from primers shall be limited to an organic HAP content level of no more than 2.9 pounds per gallon [350 g/l] of primer (less water) as applied. This does not include specialty coatings as defined in 40 CFR 63.742 or low-volume coatings as defined in 40 CFR 63.741(g).

5. VOC emissions from primers shall be limited to a VOC content level of no more than 2.9 pounds of VOC per gallon [350 g/l] of primer (less water and exempt solvents) as applied. This does not include specialty coatings as defined in 40 CFR 63.742 or low-volume coatings as defined in 40 CFR 63.741(g).

6. To demonstrate compliance with Condition Nos. 4 and 5 of this Order, Boeing shall keep records of the manufacturer's formulation or Method 24 data showing the total organic VOC content and total organic HAP content for each primer used in the spray booth (less water for organic HAP and less water and exempt solvents for VOC) as applied.

# Order of Approval for NC No. 10846

OCT 23 2014

## SPRAY COATING OPERATIONS:

7. The booth shall be equipped with Purolator Supersorb III three-stage dry filters or a filtration system of equal or better filter efficiency across all overspray particle size ranges as determined by EPA Method 319. Documentation of efficiency shall be maintained on-site and made available for inspection upon request. This is a modification to an existing booth so the requirement to be equipped with these filters is applicable once the changes in the method of operation addressed in this Order have been implemented. Within 30 days of completing the modifications to this booth, Boeing shall submit a written notice that the modification has been completed (e-mail correspondence is acceptable).
8. Boeing shall maintain a pressure drop measurement device, such as a manometer or magnehelic, to measure the pressure drop across the exhaust filters for each spray booth. The upper and lower pressure drop that is acceptable for the effective operation of the filters shall be clearly marked on or nearby the gauge. The minimum pressure drop shall not be less than the pressure drop measured with a clean, properly installed filter.
9. Boeing shall record the pressure drop across the exhaust filters at least once during each month that the booth is in operation. If the pressure drop across the exhaust filters is not within the acceptable range, corrective action shall be taken to bring the pressure drop within the acceptable range prior to resuming spray coating activities.
10. Boeing shall check the dry filter systems for proper seating and complete coverage over the exhaust plenum, and shall record the results of this inspection. The inspection shall be conducted at least monthly or at time of use if a spray booth is used less frequently than once per month. If improperly seated filters or incomplete coverage over the exhaust plenum is observed, Boeing shall, as soon as practicable but within 24 hours of initial observation either; correct the problem or, alternatively, shut down the unit until it can be repaired.
11. Spray coating operations shall be conducted using high volume low pressure (HVLP) spray equipment, or other spray equipment with a transfer efficiency that is at least equivalent to HVLP. Documentation of equivalency for non-HVLP spray equipment shall be maintained on-site and available for inspection.

## RECORDKEEPING:

12. Boeing shall maintain records required by this Order of Approval for five years from the date of generation and made available to Puget Sound Clean Air Agency personnel upon request.

## GENERAL

13. This Order of Approval No. 10846 supersedes and cancels Order of Approval No. 8669 dated May 16, 2002.

## 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.



Margaret L. Corbin  
Reviewing Engineer  
ns



Carole Cenci  
Senior Engineer

# Puget Sound Clean Air Agency

Notice of  
Construction No.

11227

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

Registration No. 13117

Date SEP 20 2016

Modification of Tank AA3 in Bldg. 17-45 to be used as a deoxidizing tank for metal finishing. Air emissions from the tank are controlled by an existing scrubber (Order of Approval No. 8029, dated 11/19/07) or an equivalent scrubber approved by the Agency.

APPLICANT

**Peter Weickmann**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

INSTALLATION ADDRESS

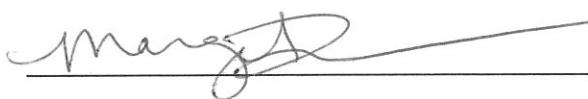
**Boeing Commercial Airplane Auburn, 700 15th St SW, Auburn, WA 98002**

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. Emissions from Tank AA3 in the "AA-tankline" shall be vented to the scrubber approved under Order of Approval No. 8029, dated 11/19/07, or an equivalent scrubber approved by the Agency.

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.



Margaret L. Corbin  
Reviewing Engineer



Carole Cenci  
Compliance Manager

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

Registration No. 13117  
Date

OCT 03 2016

One Viron VVS Packed Bed Fume Scrubber rated at 35,000 cfm to control acid emissions from Tank TNP-4 in Building 17-06. This scrubber was originally permitted under Order of Approval No. 6109 (July 14, 1995), but is being modified to reflect the practical maximum flow rate of the scrubber.

### APPLICANT

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

### OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

**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. A differential pressure indicator to indicate differential pressure across the scrubber shall be installed and maintained. The acceptable range shall be marked on or nearby the gauge.
4. This Order of Approval hereby cancels and supersedes Order of Approval No. 6109, dated July 14, 1995.

### 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.



Margaret L. Corbin  
Reviewing Engineer



Carole Cenci  
Compliance Manager

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

Registration No. 13117

Date MAY 28 2021

This Order of Approval allows the conversion of solution in Tank H7 in Bldg 17-07 to be used as a deoxidizing tank for metal finishing and continues approval for the existing Viron VVS-96120 Vertical Wet Scrubber rated 41,000 cfm for controlling acid mist vapors from Bldg 17-07 previously permitted under OA 7263.

OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

INSTALLATION ADDRESS

**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. Emissions from Tank H7 in the "17-07 H-line" shall be vented to the Viron VVS – 96120 wet scrubber 3 (MSS# A004223).
4. The Owner and/or Operator shall implement the following management practices for Tank H7:
  - a. Tank H7 shall not be heated.
  - b. Minimize Spill or overflow of the tank, as practicable.
  - c. Perform monthly inspection of the tanks to identify leaks, if any. Preventative maintenance walk throughs performed on a monthly basis shall satisfy the requirements of this condition.
5. Gauge(s) to indicate the static pressure differential across the wet scrubber packing and the liquid pH shall be installed and maintained. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.
  - a. The Owner and/or Operator shall record the pressure drop once per operating month with a visual inspection of the pressure differential. Based on this observation, the Owner and/or Operator shall ensure the acceptable ranges for the gauge are still correct and readjust if necessary.
  - b. The Owner and/or Operator shall ensure the appropriate liquid pH is maintained within the scrubber that adequately controls emissions from Tank H7.
6. The Owner and/or Operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days of the date of this Order of Approval. The plan must address procedures for determining when the scrubber is operating properly, and the corrective actions that will be taken when they are not. At a minimum, the plan shall include a requirement for scrubber static pressure differential readings which indicates proper operation.

# Order of Approval for NC No. 11312

MAY 28 2021

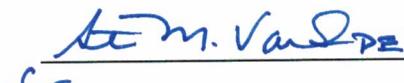
7. All records required per this Order of Approval shall be kept on-site for at least five years and shall be made available to Agency personnel upon request.
8. This Order of Approval No. 11312, issued to amend Tank H7 chemistry, hereby supersedes and cancels Order of Approval No. 7263 issued December 22, 1998, and Order of Approval No. 11312 issued May 9, 2017 (reissued to add complete project 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.



Ralph Munoz  
Reviewing Engineer



for  
Carole Cenci  
Senior Engineer

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

Registration No. 13117

Date

SEP 20 2017

This Order of Approval allows and establishes approval conditions for, the conversion of solution in Tank M-11 in building 17-68 with up to 67% nitric acid solution and water, the conversion of tank M-19 in building 17-68 to Dipsol IZ-264, and merges allowances and approval conditions from Order of Approval Number 3587 for the following equipment at the Advanced Metals Structures building located in Bldg 17-68: five scrubbers - Harrington SA-1 rated at 19,800 cfm (Col 1-11); Harrington SA-2 rated at 23,760 cfm (A-10.5); Harrington SH-1 rated at 28,580 cfm (A-3); Harrington SH-2 rated at 37,500 cfm (A-2.5); Harrington SH-3 rated at 5,680 cfm (A-2); and three Spray Coating Booths (Col A-6): SBS DB1010 rated at 12,000 cfm; SBS DB2010 rated at 23,500 cfm, and JBI 20 x 10 rated at 23,500 cfm.

This order cancels and supersedes Order of Approval No. 3587, dated 11/23/1998.

APPLICANT

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

OWNER

**John Sherman**  
**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

INSTALLATION ADDRESS

**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. Emissions from Tank M-11 in building 17-68 shall be vented to the SH-1 (MSS A0056602) wet scrubber.
4. Emissions from Tank M-19 in building 17-68 shall be vented to the SH-3 (MSS A0056585) wet scrubber.
5. Tank M-11 shall only contain solutions with a maximum nitric acid content of 67%. Tank M-19 shall only contain Dipsol IZ-264. The owner and/or operator may change to an exempt solution under Regulation 1 Section 6.03(c), or may change to a similar type of solution in either tank by submitting a request, in writing, to the agency describing the new solution in detail. The owner and/or operator may not make the change until the Agency has approved the written request.
6. The owner or operator shall implement the following management practices for Tank M-11 and M-19:
  - a. M-19 shall not be heated.
  - b. Minimize Spill or overflow of the tank, as practicable.
  - c. Perform monthly inspection of the tanks to identify leaks, if any. Preventative maintenance walkthroughs performed on a monthly basis shall satisfy the requirements of this condition.
7. Gauge(s) to indicate the static pressure differential across the wet scrubber packing and the liquid pH shall be installed and maintained. The acceptable range for the gauge shall be clearly marked on or nearby the

# Order of Approval for NC No. 11388

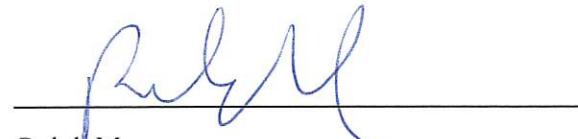
SEP 20 2017

gauge.

- a. The owner or operator shall record the pressure drop once per operating month with a visual inspection of the pressure differential. Based on this observation, the owner or operator shall ensure the acceptable ranges for the gauge are still correct and readjust if necessary.
- b. The owner and/or operator shall ensure the appropriate liquid pH is maintained within the scrubbers that adequately controls emissions from Tanks M-11 and M-19.
- c. If the owner and/or operator determine acceptable ranges must be updated, they shall notify the agency in writing or email.
8. The owner and operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days of the date of this Order of Approval. The plan must address procedures for determining when the scrubber is operating properly, and the corrective actions that will be taken when they are not. At a minimum, the plan shall include a requirement for scrubber static pressure differential readings and liquid pH which indicates proper operation. The Owner and/or Operator shall submit the following in writing or email to the Agency no later than 60 days after this Order of Approval is issued; the static pressure differential range, liquid pH ranges, and the justification why each of these ranges are considered acceptable.
9. All records required per this Order of Approval shall be kept on-site (electronic copies are acceptable) for at least five years and shall be made available to Agency personnel upon request.
10. This Order of Approval No. 11388, issued to amend Tank M-11 and M-19 chemistry, hereby supersedes and cancels Order of Approval No. 3587 issued 11/23/1998.

## 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.



Ralph Munoz  
Reviewing Engineer



Carole Cenci  
Compliance Manager

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

Registration No. 13117

Date OCT 12 2017

A TLM-610 model laser cutting system, employing a 3.3 kW PRC CO2 laser used to cut a variety of metals and metal alloys, located inside building 17-68. The system is completely enclosed and vented to 5,000 cfm Farr GS10 HEPA filter dust collector.

APPLICANT

**Johnathan Sherman**  
**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

OWNER

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-45**  
**Seattle, WA 98124-2207**

INSTALLATION ADDRESS

**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. Emissions from the TLM-610 Laser Cutter shall be fully contained, and emissions vented to a dust collector that is equipped with a HEPA filter. The HEPA filter shall be capable of removing 99.97% of particulate matter that is 0.3 microns.
4. There shall be no visible emissions from the laser cutting operation outside the building.
5. The owner and/or operator shall install gauge(s) to indicate the pressure differential across the dust collector filter. The operating pressure drop shall be established in accordance with the manufacturer's recommendation or by other acceptable range which reflect good air pollution control practices to minimize emissions. The acceptable range for the gauge shall be clearly marked on or nearby the gauge within 60 days of start-up.
6. The owner or operator shall record the pressure drop at least once per calendar month, or install an interlock system that will automatically shut down the laser cutter operations if the pressure differential falls below or above the specified range in accordance with the manufacturer's recommendation or other locally prepared operating range.
7. The owner and/or operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days from either; the date of this Order of Approval or startup of the laser cutter dust collector, whichever occurs last. The plan must address procedures for determining when the dust collector is operating properly, and the corrective actions that

# Order of Approval for NC No. 11453

OCT 12 2017

will be taken when it is not. At a minimum, the plan shall include acceptable filter pressure differential range, how this range was determined and indicate how the interlock system operates (if applicable).

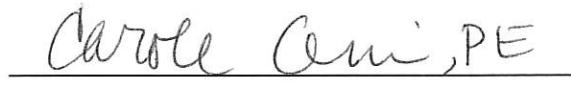
8. Boeing shall record the results of all inspections conducted in accordance with this Order of Approval, and make sure records are available for review by the Agency upon request. Records shall include at a minimum, the date and time of the inspection, the observations during the inspection (pressure drop readings, if not using an interlock), and any maintenance or corrective action taken as a result of the inspections.
9. All records required per this Order of Approval shall be retained for a period of five years (electronic copies are acceptable) and shall be made available to Agency personnel upon request with reasonable times.

## 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.



Ralph Munoz  
Reviewing Engineer



Carole Cenci, PE  
Carole Cenci  
Compliance Manager

# Puget Sound Clean Air Agency

Notice of  
Construction No.

11567

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

Registration No. 13117

Date OCT 04 2018

Installation of a fully enclosed laser ablation system used to remove paints from aerospace parts. Emissions of particulate matter, Chrome (VI) and other associated dust fumes from the laser ablation system are controlled with a dust collection system - equipped with a MERV 14 rated filter followed in series by a HEPA filter.

APPLICANT

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-214  
Seattle, WA 98124-2207

INSTALLATION ADDRESS

**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. The laser ablation system shall be completely enclosed and all emissions must be routed to a dust collection system while operating.
4. The owner and/or operator shall operate and maintain the laser ablation system according to the manufacturer's specifications or locally prepared operating procedures. These specifications or operating procedures shall be kept on site at all times.
5. The owner and/or operator shall not ablate in the laser system more than 1140 parts and 90 health check coupons per month. Compliance with condition can be verified with production and/or testing records or with actual number of air plane parts and coupons ablated in the machine.
6. The dust collection system shall be equipped with dust cartridge filters rated at MERV 14 or higher followed in series by HEPA filters that are capable of meeting 99.97% control for particle size 0.3 microns. Compliance with this condition shall be shown with manufacturer data or other information the Agency deems acceptable. This documentation must be kept on site at all times.
7. The owner and/or operator shall ensure no visible emissions from the dust collection system exhaust. The visible emissions inspection shall be conducted for 5 minutes once per month in a manner consistent with Section 11.1 of EPA Method 22. Records of the inspection results shall identify who conducted the inspection, the date and time of the inspection, and the results of the inspection, and shall be kept on site

# Order of Approval for NC No. 11567

OCT 04 2018

and up to date as required by Permit Condition 11.

8. The laser ablation dust collection system 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. The established pressure drop minimum and maximum values must be clearly marked on or nearby the gauge.
9. The laser ablation system shall always be operated within the acceptable pressure drop range across the exhaust filter. The owner or operator shall record the pressure drop at least once per calendar month, or install an interlock system that will automatically shut down the laser ablation system if the pressure differential falls below or above the specified range in accordance with the manufacturer's recommendation or other locally prepared operating range.
10. The owner and/or operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days from either; the date of this Order of Approval or startup of the dust collector, whichever occurs last. The plan must address procedures for determining when the dust collector is operating properly, and the corrective actions that will be taken when it is not. The following, at a minimum, shall be included in the O&M plan:
  - a. Dust collector system maintenance.
  - b. Dust collector system inspection procedures.
  - c. Dust collector system acceptable pressure drop range and a description of how it was determined. (If no interlock system)
  - d. How the interlock system operates (if applicable)
11. 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 the inspection, the observations during the inspection (pressure drop readings, if not using an interlock), and any maintenance or corrective action taken as a result of the inspections.
12. All records required per this Order of Approval shall be retained for a period of five years (electronic copies are acceptable) and shall be made available to 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.



Ralph Munoz  
Reviewing Engineer



Carole Cenci  
Compliance Manager



# Puget Sound Clean Air Agency

Notice of  
Construction No.

11663

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

Registration No. 13117

Date JAN 08 2019

One TLM-610 model laser cutting system used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys located in building 17-68. Emissions will be vented to a Farr GS10 dust collector rated at 5,000 cubic feet per minute and equipped with a HEPA filter.

APPLICANT

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-214  
Seattle, WA 98124-2207

INSTALLATION ADDRESS

**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. The laser cutter system shall be completely enclosed and all emissions must be routed to a dust collection system while operating, and then vented inside a building.
4. The dust collection system shall be equipped with dust cartridge filters and HEPA filters that are capable of meeting 99.97% control for particle size 0.3 microns. Compliance with this condition shall be shown with manufacturer data or other information the Agency deems acceptable. This documentation must be kept on site at all times.
5. The owner and/or operator shall ensure no visible emissions from the dust collection system exhaust outside the building.
6. The laser cutter dust collection system must be equipped with an operable gauge to indicate the pressure drop across the HEPA filtration system. The acceptable pressure drop range shall be established using the manufacturer's recommendations, specifications, or instruction. The established pressure drop minimum and maximum values must be clearly marked on or nearby the gauge.
7. The laser ablation system shall always be operated within the acceptable pressure drop range across the HEPA filter. The owner or operator shall record the pressure drop at least once per calendar month, or install an interlock system that will automatically shut down the laser cutter system if the pressure differential falls below or above the specified range in accordance with the manufacturer's

# Order of Approval for NC No. 11663

recommendation or other locally prepared operating range.

JAN 08 2019

8. The owner and/or operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days from either; the date of this Order of Approval or startup of the dust collector, whichever occurs last. The plan must address procedures for determining when the dust collector is operating properly, and the corrective actions that will be taken when it is not. The following, at a minimum, shall be included in the O&M plan:
  - a. Dust collector system maintenance.
  - b. Dust collector system inspection procedures.
  - c. Dust collector system acceptable pressure drop range and a description of how it was determined. (If no interlock system)
  - d. How the interlock system operates (if applicable)
9. 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 the inspection, the observations during the inspection (pressure drop readings, if not using an interlock), and any maintenance or corrective action taken as a result of the inspections.
10. All records required per this Order of Approval shall be retained for a period of five years (electronic copies are acceptable) and shall be made available to Agency personnel upon request.
11. Upon replacement of the existing Farr GS4P Gold Series Dust Collector with the Farr GS10 Gold Series Dust Collector reviewed under this Order of Approval, this Order supersedes and cancels Order of Approval No. 10974 dated 7/13/15.

## 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.



Ralph Munoz  
Reviewing Engineer



Carole Cenci  
Compliance Manager

# Puget Sound Clean Air Agency

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

Notice of 12007  
Construction No.  
Original Order of 10845  
Approval No.  
Registration No. 13117  
Date MAY 28 2021

One Viron Model VVS-6060-FRP-12.0-60-S-2-F-460-3-60 packed bed wet scrubber with flow rate of 12,000 acfm (asset # 58036) to replace scrubber asset # 58035 (formerly CS-1) and one rinse tank.

Except for scrubber asset # 58035 (formerly CS-1) that was replaced and scrubber asset # 58013 (formerly FS-2) and scrubber asset # 58040 (formerly FS-6), both of which have been decommissioned, the following equipment/activities are included from the original OA # 3842: Five Harrington scrubbers: scrubber asset # 58010 Model ECV 66-5LB rated at 15,900 cfm (formerly FS-1), scrubber asset # 58015 ECV 912-5LB rated at 50,000 cfm (formerly FS-3), scrubber asset # 58017 ECV 78-5LB rated at 24,300 cfm (formerly FS-4), scrubber asset # 58023 ECV 56-5LB rated at 13,500 cfm (formerly FS-5), and scrubber asset # 58038 ECV 56-5LB rated at 12,500 cfm (formerly CS-2); two Binks Custom Spray Booths (20x12x10) rated at 20,000 cfm (asset # 58303 and asset # 58305); and two Cleaver Brooks CB-300-150 gas fired Hot Water Boilers rated at 12.6 MMBtu/hr heat input each (asset # 58127 and asset # 58128). All equipment in Bldg 17-62, Welded Duct Facility. Hard Metals Clean Line: Tanks R3, R5 and R6 to scrubber asset # 58017; Tank R8A to scrubber asset # 58015; Tanks R12 and R15 to scrubber asset # 58010. Detail Tank Line: Tanks P5 and P6 to scrubber asset # 58023. Aluminum Tank Line: Tanks N5 and N6a to scrubber asset # 58036; Tanks N9 and N11 to scrubber asset # 58038.

### OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-45  
Seattle, WA 98124-2207

### INSTALLATION ADDRESS

**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. Boeing (Auburn) shall keep monthly records of the natural gas fuel use for the two Cleaver Brooks CB-300-150 gas fired boilers. Boeing (Auburn) shall comply with all other applicable requirements as stated in 40 CFR 60 Subpart Dc.
4. The emission from the deoxidizing tank (N5) and the associate rinse tank (N6a) shall be controlled by a packed bed wet scrubber (Viron).
5. The owner or operator shall install and maintain gauges at the packed bed wet scrubber (Viron) to measure the pressure differential across the packed bed. The acceptable operating pressure range shall be clearly marked on, nearby the gauge, or on a pressure drop log. A record that the pressure drop was in the acceptable range shall be made at least once per month. If the pressure drop is not within the acceptable range, the owner or operator shall, as soon as practicable but within 24 hours of the initial

# Order of Approval for NC No. 12007

MAY 28 2021

observation; correct the pressure drop, shut down the unit or activity until it can be repaired or corrected.

6. Once each calendar quarter, inspect the nozzles for pluggage and uneven flow patterns. If sufficient plugged nozzles or uneven flow patterns are observed, the owner or operator shall, as soon as practicable but within 24 hours of the initial observation; correct the problem, shut down the unit or activity until it can be repaired.
7. At least once each calendar quarter, check that the pH of the scrubber recirculation water is within the range specified in the O&M plan for the scrubber. If the pH is not within the acceptable range, the owner or operator shall, as soon as practicable but within 24 hours of the initial observation take corrective action to bring the pH to within the range specified in the O&M plan for the scrubber, shut down the unit or activity until it can be repaired.
8. All records required per this Order of Approval shall be kept on-site for at least five years and shall be made available to Agency personnel upon request.
9. This Order of Approval will cancel and supersede Order of Approval No. 3842 issued June 12, 2001 and Order of Approval No. 10845 issued December 11, 2014.

## 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.

Carole Corbin PE

Maggie Corbin  
Reviewing Engineer

John Dawson

John Dawson  
Engineering Manager



Clean Air Agency

# Puget Sound Clean Air Agency

Notice of  
Construction No.

12327

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

Registration No. 13117

Date JUN 12 2023

One Mitsubishi 3015GX-F model laser cutting system used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys located in building 17-07 (Emergent Operations Building). Emissions will be vented to a Camfil GSPX6 Farr Gold Series dust collector rated at 3,000 cubic feet per minute and equipped with a HEPA filtration system.

OWNER

**Boeing Commercial Airplane Auburn**  
PO Box 3707 MC 5A-214  
Seattle, WA 98124-2207

INSTALLATION ADDRESS

**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. Laser cutting activities of stainless steel (defined as an alloy with a minimum chromium content of 10.5%, by weight) using the Mitsubishi 3015GX-F laser cutter shall be limited to no more than 2000 parts per month. This limit does not apply to laser cutting of metals other than stainless steel or other metals containing Chromium in content greater than 10.5% by weight. Compliance with this condition shall, at minimum, be demonstrated by maintaining operating logs or other records of production data for the laser cutter when cutting stainless steel.
4. All emissions from laser cutting using the Mitsubishi 3015GX-F laser cutter shall be continuously captured and vented to a dust collector with a HEPA filtration system that meets a minimum efficiency of 99.97% for 0.3 micron sized particles during all times that laser cutting activities are conducted. Compliance with this condition shall be shown with manufacturer data or other information the Agency deems acceptable. This documentation must be kept on site at all times.
5. The owner and/or operator shall ensure no visible emissions from the dust collection system exhaust outside the building.
6. The owner or operator shall install and maintain pressure a gauge to measure the pressure drop across the dust control system(HEPA filters). The pressure drop minimum and maximum values must be clearly marked on or nearby the gauge and documented in the facility Operation and Maintenance (O&M) plan based on manufacturer's recommendations, specifications or instruction, or good air pollution control practices to minimize emissions. Upon determination of no remaining filter capacity, the laser cutting operation shall be temporarily ceased until the filters are replaced.
7. The owner or operator shall inspect the dust collection system (HEPA Filters) at least once per month during periods of cutting operations served by the controls. Inspections shall include a check of the

exhaust for visible emissions and a check of the pressure drop across the dust control system(HEPA filters). A check of the pressure drop is not required if the owner or operator has installed an interlock system that will automatically shut down the laser cutter if the pressure drop falls below or above the specified pressure drop range. If the laser cutting system has no operations for the month, an inspection is not required for the control system.

8. The owner and/or operator shall develop an Operation and Maintenance (O&M) Plan consistent with the requirements of Regulation I Section 7.09 (b) within 60 days from either; the date of this Order of Approval or startup of the dust collector, whichever occurs last. The plan must address procedures for determining when the dust collector is operating properly, and the corrective actions that will be taken when it is not. The following, at a minimum, shall be included in the O&M plan:
  - a. Dust collector system maintenance.
  - b. Dust collector system inspection procedures.
  - c. Dust collector system acceptable pressure drop range and a description of how it was determined. (If no interlock system)
  - d. How the interlock system operates (if applicable)
9. 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 the inspection, the observations during the inspection (pressure drop readings, if not using an interlock), and any maintenance or corrective action taken as a result of the inspections.
10. All records required per this Order of Approval shall be retained for a period of five years (electronic copies are acceptable) and shall be made available to 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.

*Ralph Munoz*  
for *Ralph Munoz PE*  
Ralph Munoz  
Reviewing Engineer

*John Dawson*  
*John Dawson PE*  
John Dawson  
Engineering Manager



**Clean Air Agency**

# 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 12/02/2024

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

**Boeing Commercial Airplane Auburn**  
**PO Box 3707 MC 5A-214**  
**Seattle, WA 98124-2207**

## INSTALLATION ADDRESS

**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 issued 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 or 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

# Order of Approval for NC No. 12441

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 or 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

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Maggie Corbin  
Reviewing Engineer



John Dawson PE  
Engineering Manager