AIR OPERATING PERMIT

Puget Sound Clean Air Agency
1904 3rd Avenue, Suite 105
Seattle, Washington 98101

Issued in accordance with the provisions of Puget Sound Clean Air Agency Regulation I, Article 7 and Chapter 173-401 WAC.

Pursuant to Puget Sound Clean Air Agency Regulation I, Article 7 and Chapter 173-401 WAC, Boeing Commercial Airplane Group Auburn (Boeing Auburn) facility is authorized to operate subject to the terms and conditions in this permit.

PERMIT NO.: 13117	**PERMIT RENEWAL ISSUANCE DATE: <date>**
ISSUED TO: Boeing Commercial Airplane Group - Auburn	
PERMIT EXPIRATION DATE: <issue + 5 yrs>	
PERMIT RENEWAL APPLICATION DUE DATE: <expiration date minus six months>	

NAICS, Primary:	336413
Nature of Business:	Other Aircraft Part and Auxiliary Equipment Manufacturing
Mailing Address:	PO Box 3707, 5A-214 Seattle, WA 98124-2207
Facility Address:	700 15th Street Southwest Auburn, WA 98002
Responsible Official:	Kathleen Garney, Auburn Site Leader, Fabrication Division 253-709-7955

Puget Sound Clean Air Agency Approval:

Margaret Corbin
Engineer

John Dawson, P.E.
Compliance Manager

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List of Abbreviations

ANESHAP	National Emissions Standard for Aerospace Manufacturing and Rework Facilities
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
CIC	Corrosion inhibiting compound
Ecology	Washington State Department of Ecology
EPA	Environmental Protection Agency
EU	Emission Unit
FCAA	Federal Clean Air Act
HAP	Hazardous Air Pollutants
IEU	Insignificant Emission Unit
MMBTU	Million British Thermal Units
NESHAP	National Emissions Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standard
NO_x	Oxides of Nitrogen
NOCOA	Notice of Construction Order of Approval
O&M Plan	Operation and Maintenance Plan
PM_{10}	Particulate Matter equal to or smaller than 10 micrometers
PSCAA	Puget Sound Clean Air Agency
PSD	Prevention of Significant Deterioration
RCW	Revised Code of Washington
RICE	Reciprocating Internal Combustion Engine
SDS	Safety Data Sheets
SIP	State Implementation Plan
VOC	Volatile Organic Compounds
WAC	Washington Administrative Code

Emission Unit Descriptions

The table below lists the emission units regulated under this permit located at Boeing Auburn.

Source	Description
EU 1 Coating, Cleaning and Depainting Operations	All activities and equipment associated with surface coating, cleaning, and depainting operations that have specific applicable requirements other than the general requirements in Section I.A. These operations may include coating mixing, application, drying, and curing; spray gun cleaning; solvent wipe and solvent flush cleaning; depainting; and material and waste handling. Examples of equipment involved in these activities may include spray booths, paint hangars, solvent cleaning benches, and gun cleaning units.
EU 2 External Combusion	All boilers and process heaters that have specific applicable requirements other than the facility-wide applicable requirements in Section I.A.
EU 3 Abrasive blasting, cyclones, baghouse and other particulate control operations	All activities and equipment with particulate emissions controlled by cyclones, baghouses, and other control equipment. Activities and equipment with particulate control devices include shot peening and abrasive blasting operations on production parts, penetrant inspection, and machining of metal or nonmetal parts
EU 4 Stationary Internal Combustion Engines	All stationary internal combustion engines that are affected sources subject to the NSPS in 40 CFR Part 60, Subpart IIII for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), and/or to the NESHAP in 40 CFR 63, Subpart ZZZZ for Stationary Reciprocating Internal Combustion Engines (RICE). At the time of permit issuance, all the engines included in this section and listed in the table below meet the definition of emergency stationary ICE in Subpart IIII and/or emergency stationary RICE in Subpart ZZZZ, and all are subject to Subpart ZZZZ.
EU 5 Motor vehicle fueling operations	All activities and equipment associated with motor vehicle fueling operations, including fuel receiving, fuel storage, fuel dispensing and material and waste handling, that have specific applicable requirements other than the general requirements in Section I.A..
EU 6 Storage Tanks	All activities and equipment associated with storage tank operations (except for gasoline storage) that have been permitted under an NOCOA and/or have

Source	Description
	specific applicable requirements other than the general requirements in Section I.A.
EU 7 Wood furniture operations	Wood furniture manufacturing activities that have specific applicable requirements other than the general requirements in Section I.A, including activities subject to the requirements 40 CFR Part 63, Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations. Boeing Auburn meets the definition of incidental wood furniture manufacturer in 40 CFR 63. 801.
EU 8 Reserved	To maintain consistency between Boeing facilities, some EUs have been left as reserved when no specific emission units are located at the specific site.
EU 9 Wastewater Pretreatment Operations	This section includes all activities and equipment associated with the industrial wastewater pretreatment operations. The Auburn wastewater pretreatment plant is designed for removal of metals and oil only.
EU 10 Chemical Process Tankline Operations	All activities and equipment associated with chemical process tankline operations that have specific applicable requirements other than the general requirements in Section I.A.
EU 11 Reserved	To maintain consistency between Boeing facilities, some EUs have been left as reserved when no specific emission units are located at the specific site.
EU 12 Laser Cutting and Laser Ablation	All activities and equipment associated with thermal cutting and laser ablation operations that have specific applicable requirements other than the general requirements in Section I.A

Section I: Facility-wide Emission Limits

The following tables list the citation for the “applicable requirement” and the adoption or effective date. In some cases, the effective dates of the “Federally Enforceable” requirement and the “*STATE ONLY*” requirement are different because either the state (or local authority) has not submitted the regulation to the Environmental Protection Agency (EPA) for approval into the State Implementation Plan (SIP), or the state (or local authority) has submitted it and the EPA has not yet approved it. “*STATE ONLY*” adoption dates are in italicized font, and shall be understood to include the Ecology and the Puget Sound Clean Air Agency (PSCAA). When the EPA does approve the new requirement into the SIP, the old requirement will be replaced and superseded by the new requirement. This replacement will take place automatically, with no changes being made to this permit until the permit is renewed. The new requirement will be enforceable by the EPA as well as PSCAA from the date that it is adopted into the SIP, and the old requirement will no longer be an applicable requirement.

The first column (Reqmt. No.) is used as an identifier for the requirement, the second column (Enforceable Requirement) lists the citation for the applicable requirement, and the third column (Requirement Paraphrase) paraphrases the requirement.

The fourth column (Monitoring, Maintenance and Recordkeeping Method) identifies the activities that Boeing Auburn shall use to monitor compliance with the applicable requirements identified in the second column. These methods are described in Section II of this permit.

The first and third columns are for information only and are not enforceable conditions of this permit. The actual enforceable requirement is embodied in the requirement cited in the second and fourth columns.

The fifth column (Reference Test Method) identifies the reference method that is to be used when a source test is required. In some cases where the applicable requirement does not cite a test method, one has been added. When the last column contains “N/A” this means a test method is not applicable to the requirement.

In the event of conflict or omission between the information contained in this table and the actual statute, regulation, order or permit cited in the second column, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the requirements cited in the second and third columns, refer to the actual requirements cited.

A. Facility-wide Applicable Requirement and General Provisions

1. PSCAA and Ecology Facility-Wide Applicable Requirements

The requirements in in Section I.A.1 apply facility-wide to all the emission units. Additional requirements in Section I.B. (Emission Unit Specific Applicable Requirements) might also apply. If a requirement in Section I.A. is repeated in Section I.B. and more frequent monitoring is required for that emission unit, a record of the results of that monitoring can be used to fulfill the requirements in Section I.A.1. as long as the information required under this section is included in the record.

Table 1. PSCAA and Ecology Facility-wide Applicable Requirements

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section 7)
I.A.1.1	PSCAA Reg I: 9.03, except for 9.03(e) (3/25/04)	Shall not emit air contaminants which exhibit greater than 20% opacity for a period or periods aggregating more than 3 minutes in any hour.	II.A.1.a. Opacity Monitoring II.A.1.b. Complaint Response II.A.1.c. Facility Inspections	Ecology Method 9A
I.A.1.2	PSCAA Reg. I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 grain/dscf from equipment used in a manufacturing process.	II.A.1.a. Opacity Monitoring II.A.1.b. Complaint Response II.A.1.c. Facility Inspections V.N.1. Emission Testing	PSCAA Method 5
I.A.1.3	RESERVED			
I.A.1.4	PSCAA Reg I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 grain/dscf corrected to 7% O_2 from fuel burning equipment burning fuel other than wood, coal, or other solid fossil fuel (applies to the equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel. Examples include indirect-fired drying ovens and space heaters and water heaters). See definition of "fuel burning equipment" in PSCAA Reg. I, 1.07(l).	II.A.1.a. Opacity Monitoring II.A.1.b. Complaint Response II.A.1.c. Facility Inspections V.N.1. Emission Testing	PSCAA Method 5
I.A.1.5	RESERVED			
I.A.1.6	PSCAA Reg I: 9.07 (4/14/94)	Shall not emit SO_2 in excess of 1,000 ppmv (dry) for fuel burning equipment, based on a one-hour average and corrected to 7% O_2.	II.A.3.c. Fuel Oil Purchase Specification II.A.3.d. Fuel Oil Sulfur Content Monitoring Procedure V.N.1. Emission Testing	EPA Method 6C

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section 7)
I.A.1.7	PSCAA Reg I: 9.11(a) (3/11/99)	Shall not cause or allow the emission of any air contaminant in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property	II.A.1.b. Complaint Response II.A.1.c. Facility Inspections	Not applicable
I.A.1.8	PSCAA Reg I: 9.15 (3/11/99)	It shall be unlawful for any person to cause or allow visible emissions of fugitive dust unless reasonable precautions are employed to minimize the emissions. Reasonable precautions include, but are not limited to, the following: (1) The use of control equipment, enclosures, and wet (or chemical) suppression techniques, as practical, and curtailment during high winds; (2) Surfacing roadways and parking areas with asphalt, concrete, or gravel; (3) Treating temporary, low-traffic areas (e.g., construction sites) with water or chemical stabilizers, reducing vehicle speeds, constructing pavement or rip rap exit aprons, and cleaning vehicle undercarriages before they exit to prevent the track-out of mud or dirt onto paved public roadways; or (4) Covering or wetting truck loads or allowing adequate freeboard to prevent the escape of dust-bearing materials. Compliance with the provisions of this section shall not relieve Boeing Auburn of the responsibility of complying with Regulation I, Section 9.11	II.A.1.b. Complaint Response II.A.1.c. Facility Inspections II.A.1.f. Fugitive Dust, Track-Out, and Odor Bearing Contaminants	Not applicable

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section 7)
I.A.1.9	WAC 173-400-040(4) (9/16/18)	If engaging in materials handling, construction, demolition or any other operation which is a source of fugitive emissions, Boeing Auburn shall take reasonable precautions to prevent the release of air contaminants from the operation.	II.A.1.b. Complaint Response II.A.1.c. Facility Inspections II.A.1.f. Fugitive Dust, Track-Out, and Odor Bearing Contaminants	Not applicable
I.A.1.10	PSCAA Reg I: 9.20(b) (6/9/88)	Must maintain equipment not subject to PSCAA Reg. I, Section 9.20(a) in good working order.	II.A.1. Facility-Wide Monitoring II.A.2. O&M Plan Requirements	Not applicable
I.A.1.11	PSCAA Reg I: 7.09(b) (10/26/23)	Must develop and implement an O&M Plan to assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III. The plan shall reflect good industrial practice. It shall include the elements described in Reg. I: 7.09(b). Must review the O&M Plan at least annually and update it as needed to reflect any changes in good industrial practice. The specific provisions of the O&M Plan shall not be deemed part of this permit.	II.A.2. O&M Plan Requirements	Not applicable
I.A.1.12	WAC 173-400-040(5) 9/16/18 *(State Only)*	Must use recognized good practice and procedures to reduce odors which may unreasonably interfere with any other property owners' use and enjoyment of their property.	II.A.1.b. Complaint Response II.A.1.c. Facility Inspections	Not applicable
I.A.1.13	WAC 173-400-040(3) (*4/1/11*) *(State Only)*	Shall not deposit particulate matter beyond property boundary in sufficient quantity to interfere unreasonably with the use and enjoyment of the property.	II.A.1.b. Complaint Response II.A.1.c. Facility Inspections	Not applicable
I.A.1.14	PSCAA Reg I: 9.10(a) *(6/9/88) (State Only)*	Shall not emit HCl in excess of 100 ppm (dry) for combustion sources, based on a one-hour average and corrected to 7% O_2.	V.N.1. Emission Testing	EPA Method 26A (See 40 CFR Part 60, Appendix A; July 1, 2000)

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section 7)
I.A.1.15	Regulatory Order 10427 Condition 1 (12/12/12)	Boeing Auburn shall limit facility-wide non-fugitive air emissions of VOC, NOx and 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 as those emissions which could not reasonably pass through a stack, chimney, vent or other functionally equivalent opening.	II.C.1. Facility-wide Emission Limit Monitoring, Recordkeeping and Reporting - Regulatory Order 10427	Not applicable

2. EPA New Source Performance Standards (NSPS) General Provisions

The requirements in Section I.A.2 are the general provisions of the federal NSPS. Boeing Auburn must comply with the requirements listed below for "affected facilities" as defined in 40 CFR Part 60.2 if the applicable NSPS standard has been included for the affected facilities in Section I.B of this permit. The conditions in this section do not apply generally to all emission units at the facility.

Table 2. EPA NSPS General Provisions

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected facilities under the following 40 CFR 60 Subparts
I.A.2.1	40 CFR 60.1(a) (10/8/97) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	40 CFR Part 60 applies to any stationary source which contains an affected facility, the construction or modification of which is commenced after the date of publication in Part 60 of any standard applicable to the facility.	Dc IIII
I.A.2.2	40 CFR 60.4 (8/23/19) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	All requests, reports, applications, submittals, and other communications to PSCAA pursuant to this part shall be submitted in duplicate to Director, Air and Waste Management Division, Region 10, U.S. EPA, 1200 Sixth Avenue, Seattle, WA 98101.	Dc IIII
I.A.2.3	40 CFR 60.7(b) (2/12/99) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Must maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.	Dc
I.A.2.4	40 CFR 60.7(f) (2/12/99) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Must maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records except as described in §60.7(f)(1) through (f)(3). Note that AOP Section V.O.3 requires that this record be retained for five years.	Dc

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected facilities under the following 40 CFR 60 Subparts
I.A.2.5	40 CFR 60.11(d) (10/17/00) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	At all times, including periods of startup, shutdown, and malfunction, Boeing Auburn shall, to the extent practicable, operate and maintain any affected facility, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operations and maintenance procedures, and inspection of the source.	Dc
I.A.2.6	40 CFR 60.11(f) (10/17/00) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Special provisions set forth under an applicable 40 CFR Part 60 subpart shall supersede any conflicting provisions in paragraphs §60.11(a) & (d).	Dc
I.A.2.7	40 CFR 60.11(g) (10/17/00) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements of 40 CFR Part 60 if the appropriate performance or compliance test or procedure had been performed.	Dc
I.A.2.8	40 CFR 60.19(a) (02/12/99) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25	For purposes of 40 CFR Part 60, time periods specified in days shall be measured in calendar days, even if the word "calendar" is absent, unless otherwise specified in an applicable requirement.	Dc IIII
I.A.2.9	40 CFR 60.19(b) (02/12/99) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If an explicit postmark deadline is not specified in an applicable requirement for the submittal of a notification, application, report, or other written communication to PSCAA, the owner or operator shall postmark the submittal on or before the number of days specified in the applicable requirement. The use of reliable non-Government mail carriers that provide indications of verifiable delivery of information required to be submitted to PSCAA, similar to the postmark provided by the U.S. Postal Service, or alternative means of delivery, including the use of electronic media, agreed to by PSCAA, is acceptable.	Dc IIII

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected facilities under the following 40 CFR 60 Subparts
I.A.2.10	40 CFR 60.19(c) & (d) (02/12/99) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Dates for the submittal of information and periodic reports may be changed consistent with 40 CFR 60.19(f) upon mutual agreement between Boeing Auburn and PSCAA. For periodic reports, this allowance applies beginning 1 year after the affected facility is required to be in compliance with the applicable subpart in this part.	Dc IIII

3. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) General Provisions

The requirements in section 1.A.3 are the general provisions of the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). Boeing Auburn must comply with the requirements listed below for "affected sources" as defined in 40 CFR Part 63.2 if the applicable NESHAP standard has been included for the affected facilities in Section I.B of this permit. The conditions in this section do not apply generally to all emission units at the facility.

Table 3. EPA NESHAP General Provisions

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected sources under the following 40 CFR 63 Subparts
I.A.3.1	40 CFR 63.1(a)(4) & (c)(1) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must comply with any relevant standards established under 40 CFR 63, Subpart GG, Subpart ZZZZ, and Subpart DDDDD. Boeing Auburn must also comply with the provisions of 40 CFR 63, Subpart A to the extent that they are explicitly identified as being included in Subpart GG, Subpart ZZZZ, and Subpart DDDDD.	GG DDDDD ZZZZ
I.A.3.2	40 CFR 63.6(b)(2) (3/11/21) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	New and reconstructed affected sources that have an initial startup after the effective date of any specific applicable subparts must comply with the requirements of that specific applicable subpart upon startup.	GG DDDDD ZZZZ
I.A.3.3	40 CFR 63.6(c) (3/11/21) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Existing affected sources must comply with the specific applicable subpart by the compliance date established by the Administrator in that subpart.	GG, except for 40 CFR 63.6(c)(2)-(4) DDDDD ZZZZ
I.A.3.4	40 CFR 63.6(e)(1) (3/11/21) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	At all times, including startup, shutdown and malfunction, must operate and maintain affected sources consistent with safety and good air pollution control practice for minimizing emissions. Malfunctions must be corrected as soon as practicable after their occurrence. During periods of startup, shutdown, or malfunction, reduce emissions to the greatest extent which is consistent with safety and good air pollution control practices.	

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected sources under the following 40 CFR 63 Subparts
I.A.3.5	40 CFR 63.6(f) (3/11/21) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	The nonopacity emission standards set forth in 40 CFR Part 63 shall apply at all times except during periods of startup, shutdown and malfunction as set forth in specific applicable subparts. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the non-opacity emission standards set forth in this part, then those emission points must still comply with any applicable non-opacity emission standards and other applicable requirements.	GG, except for 40 CFR 63.6(f)(1) DDDDD, except for 40 CFR 63.6(f)(1)
I.A.3.6	40 CFR 63.8(b)(1) (11/14/18) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Monitoring shall be conducted as set forth in specific applicable subparts unless (i) PSCAA specifies or approves the use of minor or intermediate changes in methodology for the specified monitoring requirements and procedures (see §63.90(a) for definition); or (ii) the EPA Administrator approves the use of a major change or alternative to any monitoring requirements or procedures (see §63.90(a) for definition).	GG DDDDD ZZZZ
I.A.3.7	40 CFR 63.8(f) (11/14/18) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Before using an alternative monitoring method, Boeing Auburn must receive permission from: (i) PSCAA for minor or intermediate changes in methodology for the specified monitoring requirements and procedures (see §63.90(a) for definition); or (ii) the EPA Administrator for a major change or alternative to any monitoring requirements or procedures (see §63.90(a) for definition).	GG, except for 40 CFR 63.8(f)(2)(viii) DDDDD ZZZZ
I.A.3.8	40 CFR 63.9(a)(4)(ii) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall submit notifications to PSCAA as specified in §63.9(a)(4).	GG DDDDD ZZZZ
I.A.3.9	40 CFR 63.9(c) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If Boeing Auburn cannot comply with a relevant standard by the applicable compliance date, Boeing Auburn may submit to PSCAA a request for an extension of compliance as specified in 40 CFR 63.6(i)(4) through 40 CFR 63.6(i)(6).	GG DDDDD

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected sources under the following 40 CFR 63 Subparts
I.A.3.10	40 CFR 63.9(h) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall provide notification to PSCAA regarding its compliance status with specific applicable Part 63 subparts as specified in this AOP.	GG, except for 40 CFR 63.9(h)(2) DDDDD
I.A.3.11	40 CFR 63.9(i) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Adjustment to time periods or postmark deadlines for submittal and review of required communications may be requested from and approved by PSCAA.	GG DDDDD
I.A.3.12	40 CFR 63.9(j) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Any change in information already provided under 40 CFR 63.9 shall be sent to PSCAA within 15 days.	GG DDDDD
I.A.3.13	40 CFR 63.10(a)(3) & (7) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must send reports to PSCAA according to 40 CFR 63.10(a)(3)-(7) and may request changes to report due dates.	GG DDDDD ZZZZ
I.A.3.14	40 CFR 63.10(b)(1) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall retain records for five years. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.	GG DDDDD ZZZZ
I.A.3.15	40 CFR 63.10(b)(2) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall maintain relevant records of startups, shutdowns, malfunctions, maintenance, corrective actions, monitoring, measurements, and testing in accordance with 40 CFR 63.10(b)(2) based on applicability in the specific subparts listed in this requirement. Boeing Auburn shall maintain all documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9.	GG, except for 40 CFR 63.10(b)(2)(i), (ii), (iv), (v), (vii)(A) – (C) DDDDD

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Applicable to affected sources under the following 40 CFR 63 Subparts
I.A.3.16	40 CFR 63.10(b)(3) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall keep records of an inapplicability determination for 5 years after the determination.	GG DDDDD ZZZZ
I.A.3.17	40 CFR 63.10(d)(1) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall submit reports in accordance with requirements in specific applicable NESHAPs.	GG DDDDD ZZZZ
I.A.3.18	40 CFR 63.10(f) (11/19/20) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must comply with the recordkeeping and reporting requirements in 40 CFR 63.10, unless a minor change to recordkeeping/reporting is granted by PSCAA or a major change to recordkeeping/reporting is granted by the EPA Administrator.	GG DDDDD ZZZZ

B. Emission Unit Specific Applicable Requirements

The requirements in Section I.B. only apply to the specific emission units or activities cited; however, the requirements in Section I.A. also apply. If a requirement in Section I.A. is repeated in Section I.B. and more frequent monitoring is required for that emission unit, a record of the results of that monitoring can be used to fulfill the requirements in Section I.A.1. as long as the information required under Section I.A.1. is included in the record.

The first part of each subsection in Section I.B. lists a description of the emission-producing operation and identifying information about each associated specific emission unit or activity, including the building number, the column and door number (grid system for locating points within the buildings if available), a Boeing Auburn inventory control identification number (Asset #), the Order of Approval (OA) number for equipment that has gone through the new source review process, the installation date and a short description of the emission unit or activity. This information, which is in italics, is not an enforceable part of the permit. Because of the size of the facility and its complexity, the information is provided as an aid in understanding the permit and locating the specific emission point or activity.

The tables that follow include a description of an emission-producing operation and identifying information about its associated emission units and activities describe the applicable requirements for those emission units and activities. The tables are arranged with the federal requirements first, state and local requirements second, and site specific Notice of Construction Order of Approval (NOCOA) and Prevention of Significant Deterioration (PSD), if any, permits last. The numbering of the requirements in column one of the tables follow this format.

1. Coating, Cleaning, and Depainting Operations

This section includes all activities and equipment associated with surface coating, cleaning, and depainting operations that have specific applicable requirements other than the general requirements in Section I.A. These operations may include coating mixing, application, drying, and curing; spray gun cleaning; solvent wipe and solvent flush cleaning; depainting; and material and waste handling. Examples of equipment involved in these activities may include spray booths, paint hangars, solvent cleaning benches, and gun cleaning units.

The table below includes activities and equipment that received an NOCOA or were registered with PSCAA. This table does not necessarily include all activities and equipment that may be subject to the requirements of this section; activities and equipment that have not received an NOCOA or were not previously registered with PSCAA may not be included in the table. For spray booths, the last column in the table indicates whether the Aerospace NESHAP (ANESHAP)-regulated coatings containing inorganic HAPs may be sprayed at the equipment at the time of permit issuance. However, any of the activities and equipment listed below might have such coatings sprayed in them in the future, and in some cases a modification to the activities and equipment and/or an amendment or modification to the existing NOCOA might be required. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	Col/Dr	Asset #	NOCOA	Date Installed	Source Description	Subject to the ANESHAP Inorganic HAP Requirements?
17-06	*D1*	*6765*	*1991*	*1979*	*Spray coating booth rated at 112,500 cfm*	*Yes*
17-06	*D1*	*6766*	*1991*	*1979*	*Spray coating booth rated at 112,500 cfm*	*Yes*
17-07	*D10*	*9063*	*Reg.*	*1987*	*Spray coating booth (dry lube) rated at 4,000 cfm*	*No*
17-07	*AA10.5*	*12355*	*7279*	*1998*	*Spray coating booth rated at 45,000 cfm (2 stacks at 22,500 cfm each)*	*Yes*
17-07	*BB10*	*12356*	*7279*	*1998*	*Spray coating booth rated at 25,000 cfm*	*Yes*
17-45	*C2 Finish Zone*	*13305*	*7302*	*1998*	*Spray coating booth rated at 38,000 cfm*	*Yes*
17-45	*C2 Finish Zone*	*13306*	*7302*	*1998*	*Spray coating booth rated at 38,000 cfm*	*Yes*
17-45	*C2 Finish Zone*	*13307*	*7302*	*1998*	*Spray coating booth rated at 38,000 cfm*	*Yes*
17-45	*C2 Finish Zone*	*13308*	*7302*	*1998*	*Spray coating booth rated at 38,000 cfm*	*Yes*
17-45	*C2*	*14921*	*7689*	*1999*	*Spray coating booth rated at 8,000 cfm*	*Yes*
17-45	*B1, Mezzanine*	*14720*	*7941*	*1999*	*Spray coating booth (TCIB) rated at 24,000 cfm*	*Yes*
17-45	*B/C2 2ND FLR*	*55223*	*8029*	*1991*	*Spray coating booth rated at 20,000 cfm*	*Yes*

Bldg.	Col/Dr	Asset #	NOCOA	Date Installed	Source Description	Subject to the ANESHAP Inorganic HAP Requirements?
17-45	B1.8, 2nd Floor	55225	10332	2011	Spray coating booth rated at 16,000 cfm	Yes
17-45	B2, 2ND FLR	55226	8029	1991	Spray coating booth rated at 20,000 cfm	Yes
17-45	F2.5	56105	10846	1991	Spray coating booth rated at 16,000 cfm	No
17-45	F7	3806	8747	2003	Spray coating booth rated at 29,000 cfm	Yes
17-45	G/H2	59822	8506	1991	Spray coating booth rated at 16,000 cfm	Yes
17-45	C1	10695	8506	2001	Spray coating booth (manual booth) rated at 16,000 cfm	Yes
17-45	B1.6 2nd FLR	19780	10332	2011	Spray coating booth rated at 23,000 cfm	Yes
17-62	F2.5	58303	12007	1992	Spray coating booth rated at 20,000 cfm	Yes
17-62	E15	58305	12007	1992	Spray coating booth (gold paint booth) rated at 20,000 cfm	No
17-62	B8	6783	8835	2003	Spray coating booth rated at 16,000 cfm	Yes
17-68	A7	56540	11388	1991	Spray coating booth rated at 12,000 cfm	Yes
17-68	A6.1	56541	11388	1991	Spray coating booth rated at 12,000 cfm	Yes
17-68	A7.5	59271	11388	1992	Spray coating booth rated at 23,500 cfm	Yes
17-68	E-1	10851	7639	2000	Dry lube spray booth rated at 14,445 cfm	No
17-68	C-11	25201	10234	2011	Spray coating booth (dry lube) rated at 20,000 cfm	No
17-08	C5.5	61615	5404	1994	Spray coating booth rated at 15,350 cfm	No
17-66	J5	6778	5987	1993	Spray coating booth rated at 3,600 cfm	No
17-66	D10	60710	4732	1992	Spray coating booth rated at 16,000 cfm	No

Table 4. Applicable Requirements – Coating, Cleaning, and Depainting Operations

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
ANESHAP Applicability & Exemptions Requirements in this section are related to the applicability and exemptions of the Aerospace NESHAP, 40 CFR 63, Subpart GG.			
I.B.1.1	40 CFR 63.741(b) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn must comply with Subparts GG and A, except as specified in 40 CFR 63.743(a) and Table 1 of Subpart GG.	II.B.1. Coating, Cleaning, and Depainting Operations, Monitoring, Maintenance and Recordkeeping Methods
I.B.1.2	40 CFR 63.741(c) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Affected sources are specified in 40 CFR 63.741(c)(1) through (8). The activities subject to the ANESHAP requirements are limited to the manufacture or rework of aerospace vehicles or components as defined in the regulation.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.3	40 CFR 63.741(f) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	This subpart does not regulate research and development, quality control, and laboratory testing activities, chemical milling, metal finishing, electrodeposition (except for electrodeposition of paints), composites processing (except for cleaning and coating of composite parts or components that become part of an aerospace vehicle or component as well as composite tooling that comes in contact with such composite parts or components prior to cure), electronic parts and assemblies (except for cleaning and topcoating of completed assemblies), manufacture of aircraft transparencies, and wastewater operations at aerospace facilities. These requirements do not apply to the rework of aircraft or aircraft components if the holder of the Federal Aviation Administration (FAA) design approval, or the holder's licensee, is not actively manufacturing the aircraft or aircraft components. These requirements also do not apply to parts and assemblies not critical to the vehicle's structural integrity or flight performance. The requirements of this subpart do not apply to primers, topcoats, specialty coatings, chemical milling maskants, strippers, cleaning solvents that meet the definition of non-HAP material, as determined from manufacturer's representations, such as in a safety data sheet or product data sheet, or testing, except that if an owner or operator chooses to include one or more non-HAP primer, topcoat, specialty coating, or chemical milling maskant in averaging under §63.743(d), then the recordkeeping requirements of §63.752(c)(4) shall apply. The requirements of this subpart also do not apply to primers, topcoats, and specialty coatings that meet the definition of “classified national security information” in §63.742.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.4	40 CFR 63.741(g) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	The requirements for primers, topcoats, specialty coatings and chemical milling maskants in 40 CFR 63.745 and 40 CFR 63.747 do not apply to the use of low-volume coatings in these categories for which the annual total of each separate formulation used at a facility does not exceed 189 liter (l) (50 gallons [gal]), and the combined annual total of all such primers, topcoats, specialty coatings, and chemical milling maskants used at a facility does not exceed 757 l (200 gal). Primers, topcoats, and specialty coatings exempted under paragraph (f) of this section and under §63.745(f)(3) and (g)(4) are not included in the 50 and 200 gallon limits.	No monitoring required
I.B.1.5	40 CFR 63.741(h) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Regulated activities associated with space vehicles are exempt from the requirements of the ANESHAP, except for depainting operations in 40 CFR 63.746.	No monitoring required
I.B.1.6	40 CFR 63.741(i) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Waterborne coatings for which the manufactured supplied data demonstrate that the organic HAP and Volatile Organic Compound (VOC) contents are less than or equal to the organic HAP and VOC content limits for its coating type are exempt from 40 CFR 63.745(d)-(e), 63.747(d)-(e), 63.749(d) and (h), 63.750(c)-(h) and (k)-(n), 63.752(c) and (f), and 63.753(c) and (e). For exempt waterborne coatings, Boeing Auburn shall maintain manufacturer's supplied data on HAP and VOC content and annual purchase records for each exempt waterborne coating and retain for 5 years.	II.A.3.b. Documentation on File
I.B.1.7	40 CFR 63.741(j) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	ANESHAP does not apply to rework on antique vehicles or components.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.8	40 CFR 63.743(c) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Requirements for the use of air pollution control device not listed in this subpart.	No monitoring required
I.B.1.9	40 CFR 63.743(d) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Facilities may choose to comply with averaging provisions herein rather than individual coating limits in 40 CFR 63.745, and 40 CFR 63.747. If choosing to comply with averaging provisions, Boeing Auburn shall use any combination of primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants such that the monthly volume-weighted average organic HAP and VOC contents of the combination of primers, topcoats, specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants, as determined in accordance with the applicable procedures set forth in 40 CFR 63.750, complies with the specified content limits in 40 CFR 63.745(c), and 40 CFR 63.747(c). Averaging is allowed only for uncontrolled primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants. Averaging is not allowed for the following: between specialty coating types in Appendix A to 40 CFR Part 63 Subpart GG; between primers and topcoats (including self-priming topcoats); between Type I and Type II chemical milling maskants; between primers and chemical milling maskants; between topcoats and chemical milling maskants; between primers and specialty coatings, between topcoats and specialty coatings; or between chemical milling maskants and specialty coatings.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.10	40 CFR 63.743(e) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	At all times, Boeing Auburn must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require Boeing Auburn to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source	II.A.1.c Facility Inspection II.A.2. O&M Plan Requirements
I.B.1.11	40 CFR 63.746(a) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	ANESHAP depainting requirements in 40 CFR 63.746 do not apply to a facility that depaints six or less completed aerospace vehicles in a calendar year.	No monitoring required
I.B.1.12	40 CFR 63.749(a) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	New and reconstructed affected sources that have an initial startup after the effective date of 40 CFR 63 Subpart GG must comply with the requirements of 40 CFR 63 Subpart GG upon startup and shall comply with the compliance dates specified in §63.6(b) and (c) as indicated in Table 1 to Subpart GG.	No monitoring required
I.B.1.13	40 CFR 63.751(e) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must receive permission from PSCAA or the EPA Administrator before using an alternative monitoring procedure. PSCAA specifies or approves the use of minor or intermediate changes in methodology for the specified monitoring requirements and procedures (see §63.90(a) for definition); the EPA Administrator approves the use of a major change or alternative to any monitoring requirements or procedures (see §63.90(a) for definition).	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.14	40 CFR 63.751(f) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23)	Reduction of monitoring data. All emission data shall be converted into units specified in this subpart for reporting purposes. After conversion into units specified in this subpart, the data may be rounded to the same number of significant digits as used in this subpart to specify the emission limit.	No monitoring required
ANESHAP Cleaning Requirements found in this section are the ANESHAP requirements related to the cleaning of aerospace parts and spray equipment. The manufacturer's supplied data is sufficient to demonstrate compliance with the solvent composition requirements in the ANESHAP, unless another method is specifically required by the NESHAP.			
I.B.1.15	40 CFR 63.744 Table 1 (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Aqueous cleaners are ≥80 percent water, have flash points > 200°F and are miscible with water. Hydrocarbon based cleaners are mixtures of photo-chemically reactive hydrocarbons and oxygenated hydrocarbons, have a maximum vapor pressure of 7 mm Hg at 20°C, and contain no HAP.	No monitoring required.
I.B.1.16	40 CFR 63.744(a) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn must comply with housekeeping measures for cleaning operations in 40 CFR 63.744(a)(1) through (4) unless using solvents that are identified in Table 1 of 40 CFR 63.744, as aqueous cleaners or hydrocarbon-based cleaners, or that meet the definition of "Non-HAP material" in 40 CFR 63.742. The requirements in 40 CFR 63.744 (a)(1) through (4) of 63.744 do not apply to spent cleaning solvents, and solvent-laden applicators that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268 (including the air emission control requirements in 40 CFR part 265, subpart CC).	II.A.1.d. Work Practice Inspection
I.B.1.17	40 CFR 63.744(a)(1) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Unless Boeing Auburn satisfies the requirements in 40 CFR 63.744(a)(4), place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers upon completing their use. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. "Completing their use" means when cleaning operation is completed or before leaving for a break or end shift, whichever comes first.	II.A.1.d. Work Practice Inspection

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.18	40 CFR 63.744(a)(1) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Cotton-tipped swabs used for very small cleaning operations are exempt from the requirements of 40 CFR 63.744(a)(1).	No monitoring required
I.B.1.19	40 CFR 63.744(a)(2) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Unless Boeing Auburn satisfies the requirements 40 CFR 63.744(a)(4), fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, must be stored in closed containers.	II.A.1.d. Work Practice Inspection
I.B.1.20	40 CFR 63.744(a)(3) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Handling and transfer of cleaning solvents must be conducted in a manner as to minimize spills.	II.A.1.d. Work Practice Inspection
I.B.1.21	40 CFR 63.744(a)(4) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Prior to using an alternative measure in place of the closed container requirement for solvent-laden materials described in 40 CFR 63.744(a)(1) or the requirements pertaining to storage of solvent as described in 40 CFR 63.744(a)(2), Boeing Auburn shall demonstrate to PSCAA that equivalent or better alternative measures are in place compared to the requirements described in 40 CFR 63.744(a)(1) or (a)(2).	II.A.1.d. Work Practice Inspection II.A.3.b. Documentation on File
I.B.1.22	40 CFR 63.744(b) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Cleaning solvent solutions that contain HAP or VOC below the de minimis levels specified in 40 CFR 63.741(f) are exempt from the requirements in 40 CFR 63.744 (b)(1), (b)(2), and (b)(3).	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.23	40 CFR 63.744(b) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Hand-wipe cleaning solvent (excluding solvents used for cleaning of spray gun equipment performed in accordance with 40 CFR 63.744(c)) must meet the aqueous or hydrocarbon-based composition requirements in Table 1 of 40 CFR 63.744, or have composite vapor pressure of 45 mm Hg or less @ 20°C.	II.B.1.d. ANESHAP Cleaning Operations Monitoring and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.24	40 CFR 63.744(c) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Must use one or more of the following techniques, or their equivalent, to clean spray gun equipment: • Enclosed system cleaning: clean spray gun equipment in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through gun. • Nonatomized cleaning: clean spray gun equipment by placing cleaning solvent in the pressure pot and forcing it through the gun with the atomizing cap in place. No atomizing air is to be used. Direct the cleaning solvent from the gun into a vat, drum, or the waste container that is closed when not in use. • Disassembled cleaning: disassemble the spray gun equipment and clean the components by hand in a vat, which shall remain closed at all times except when in use; or soak components in a vat, which shall remain closed during the soaking period and when not inserting or removing components. • Atomizing cleaning: Clean spray gun equipment by forcing the cleaning solvent through the gun and directing the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions. • Cleaning of nozzle tips of automated spray equipment systems, except for robotic systems programmed to spray into a closed container, is exempt from the requirements of 40 CFR 63.744(c)(1)-(4). Spray gun cleaning solvent solutions that contain HAP or VOC below the de minimis levels specified in 40 CFR 63.741(f) are exempt from the requirements in 40 CFR 63.744(c)(1)-(4).	II.A.1.d. Work Practice Inspection II.B.1.c. ANESHAP Enclosed Spray Gun Cleaning Systems, Monitoring, Maintenance and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.25	40 CFR 63.744(d) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Flush cleaning operations, excluding those in which solvents listed in Table 1 of 40 CFR 63.744, or semi-aqueous cleaning solvents are used: Boeing Auburn shall empty the used cleaning solvent each time aerospace parts, assemblies, or components of a coating unit (with the exception of spray guns) are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control.	II.A.1.d. Work Practice Inspection
I.B.1.26	40 CFR 63.744(e) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	The following cleaning operations are exempt from the requirements of 40 CFR 63.744(b) for hand-wipe cleaning: (1) Cleaning during the manufacture, assembly, installation, maintenance, or testing of components of breathing oxygen systems that are exposed to the breathing oxygen; (2) Cleaning during manufacture, assembly, installation maintenance or testing of parts, subassemblies, or assemblies that are exposed to strong oxidizers or reducers (e.g., nitrogen tetraoxide, liquid oxygen, or hydrazine); (3) Cleaning and surface activation prior to adhesive bonding; (4) Cleaning of electronic parts and assemblies containing electronic parts; (5) Cleaning of aircraft and ground support equipment fluid systems that are exposed to the fluid, including air-to-air heat exchangers and hydraulic fluid system; (6) Cleaning of fuel cells, fuel tanks, and confined spaces; (7) Surface cleaning of solar cells, coated optics, and thermal control surfaces; (8) Cleaning during fabrication, assembly, installation and maintenance of upholstery, curtains, carpet, and other textile materials used in the interior of the aircraft; (9) Cleaning of metallic and nonmetallic materials used in honeycomb cores during the manufacture or maintenance of these cores, and cleaning of the completed cores used in the manufacture of aerospace vehicles or components; (10) Cleaning of aircraft transparencies,	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
		polycarbonate, or glass substrates; (11) Cleaning and cleaning solvent usage associated with research and development, quality control, and laboratory testing; (12) Cleaning operations, using nonflammable liquids, conducted within five feet of energized electrical systems. Energized electrical systems means any AC or DC electrical circuit on an assembled aircraft once electrical power is connected, including interior passenger and cargo areas, wheel wells and tail sections; and; (13) Cleaning operations identified as essential uses under the Montreal Protocol for which the Administrator has allocated essential use allowances or exemption in 40 CFR 82.4.	
I.B.1.27	40 CFR 63.749(c) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Each cleaning operation subject to ANESHAP shall be considered in noncompliance if Boeing Auburn fails to institute and carry out the housekeeping measures required under 40 CFR 63.744(a). Incidental emissions resulting from the activation of pressure release vents and valves on enclosed cleaning systems are exempt from this paragraph.	II.A.1.d. Work Practice Inspection
I.B.1.28	40 CFR 63.749(c)(1) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	An affected hand-wipe cleaning operation shall be considered in compliance when all hand-wipe cleaning solvents, excluding those used for hand cleaning of spray gun equipment under §63.744(c)(3), meet either the composition requirements specified in §63.744(b)(1) or the vapor pressure requirement specified in §63.744(b)(2).	II.A.1.d. Work Practice Inspection

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.29	40 CFR 63.749(c)(2) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	An affected spray gun cleaning operation shall be considered in compliance when each of the following conditions is met: (i) One of the four techniques specified in §63.744(c)(1) through (c)(4) is used; (ii) The technique selected is operated according to the procedures specified in §63.744(c)(1) through (c)(4) as appropriate; and (iii) If an enclosed system is used, monthly visual inspections are conducted, and any leak detected is repaired within 15 days after detection. If the leak is not repaired by the 15th day after detection, the solvent shall be removed, and the enclosed cleaner shall be shut down until the cleaner is repaired or its use is permanently discontinued.	II.A.1.d. Work Practice Inspection II.B.1.c. ANESHAP Enclosed Spray Gun Cleaning Systems, Monitoring, Maintenance and Recordkeeping
I.B.1.30	40 CFR 63.749(c)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	An affected flush cleaning operation shall be considered in compliance if the operating requirements specified in §63.744(d) are implemented and carried out.	II.A.1.d. Work Practice Inspection
I.B.1.31	40 CFR 63.750(a) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall demonstrate compliance with solvent composition using manufacturer's data. The data shall identify all components of the cleaning solvent and shall demonstrate that one of the approved composition definitions is met.	II.B.1.d. ANESHAP Cleaning Operations Monitoring and Recordkeeping
I.B.1.32	40 CFR 63.750(b) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall follow 40 CFR 63.750(b) to determine the vapor pressure of hand-wipe cleaning solvents.	II.B.1.d. ANESHAP Cleaning Operations Monitoring and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
ANESHAP Coating Requirements in this section are the ANESHAP requirements related to aerospace coating operations. The ANESHAP requirements only apply to aerospace primer, topcoat, and specialty coating application operations as defined in 40 CFR 63.741(c)(2), (3), & (4) and 40 CFR 63.742. The manufacturer's supplied data is sufficient to demonstrate compliance with the solvent and coating composition requirements in the ANESHAP, unless another method is specifically required by the NESHAP.			
I.B.1.33	40 CFR 63.745(a) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Aerospace equipment that is no longer operational, intended for public display, and not easily capable of being moved is exempt from the requirements of 40 CFR 63.745	No monitoring required
I.B.1.34	40 CFR 63.745(b) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall conduct handling and transfer of HAP-containing primers, topcoats, and specialty coatings in such a manner to minimize spills.	II.A.1.d. Work Practice Inspection
I.B.1.35	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(1) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Organic HAP emissions from primers shall be limited to an organic HAP content level of no more than: • 650 g/L (5.4 lb/gal) of exterior primer (less water), as applied, to large commercial aircraft components (parts or assemblies) or fully assembled, large commercial aircraft at existing affected sources that produce fully assembled, large commercial aircraft; or • 350 g/L (2.9 lb/gal) of primer (less water), as applied.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.36	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(2) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	VOC emissions from primers shall be limited to a VOC content level of no more than: • 650 g/L (5.4 lb/gal) of exterior primer (less water and exempt solvents), as applied, to large commercial aircraft components (parts or assemblies) or fully assembled, large commercial aircraft at existing affected sources that produce fully assembled, large commercial aircraft; or • 350 g/L (2.9 lb/gal) of primer (less water and exempt solvents), as applied.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.37	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(3) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Organic HAP content level of topcoats and self-priming topcoats is limited to 420 g/L (3.5 lb/gal) of coating (less water), as applied.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.38	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(4) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	VOC content level of topcoats and self-priming topcoats is limited to 420 g/L (3.5 lb/gal) of coating (less water and exempt solvents), as applied.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.39	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(5) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Organic HAP emissions from specialty coatings shall be limited to an organic HAP content level of no more than the HAP content limit specified in Table 1 of 40 CFR 63.745 for each applicable specialty coating type.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.40	40 CFR 63.745(a) (12/7/15) 40 CFR 63.745(c)(6) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	VOC emissions from specialty coatings shall be limited to a VOC content level of no more than the VOC content limit specified in Table 1 of 40 CFR 63.745 for each applicable specialty coating type.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.41	40 CFR 63.745(e) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Compliance with the organic HAP and VOC content limits specified in 40 CFR 63.745(c)(1) through (c)(6), shall be accomplished by using the methods specified in 40 CFR 63.745(e)(1) and (e)(2) either by themselves or in conjunction with one another. (1) Use primers and topcoats (including self-priming topcoats), and specialty coatings with HAP and VOC content levels equal to or less than the limits specified in 40 CFR 63.745(c)(1) through (c)(6), or (2) Use the averaging provisions described in 40 CFR 63.743(d).	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.42	40 CFR 63.745(f)(1) 40 CFR 63.745(f)(2) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Specific primer, topcoat, and specialty coating application techniques identified in 40 CFR 63.745(f)(1) are required; must be operated according to company procedures, locally specified operating procedures, and/or manufacturer's specifications, whichever is most stringent as specified in 40 CFR 63.745(f)(2). Modified guns must maintain transfer efficiency equivalent to HVLP, electrostatic, airless, or air assisted airless spray application techniques.	II.A.1.d. Work Practice Inspection
I.B.1.43	40 CFR 63.745(f)(3) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Certain situations are exempt from the requirements of 40 CFR 63.745(f)(1), including the use of airbrush equipment, hand-held aerosol cans, and touch-up and repair operations. Preval hand-held aerosol cans with a non-refillable pressurized portion qualify for the exemption under 40 CFR 63.745(f)(3)(v).	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.44	40 CFR 63.749(d)(1) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Organic HAP and VOC content levels. For uncontrolled coatings that are not averaged, each 24 hours is considered a performance test. For compliant and non-compliant coatings that are averaged together, each 30-day period is considered a performance test, unless the PSCAA specifies a shorter averaging period as part of an ambient ozone control program.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping
I.B.1.45	40 CFR 63.749(d)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	The primer application operation is considered in compliance when the conditions specified in 40 CFR 63.749(d)(3)(i), (d)(3)(iii) through (d)(3)(iv), as applicable, and in 40 CFR 63.749(e) are met. Failure to meet any one of the conditions identified in these paragraphs shall constitute noncompliance. The compliance demonstration for a primer may be based on the organic HAP content or the VOC content of the primer; demonstrating compliance with both the HAP content limit and the VOC content limit is not required. If a primer contains HAP solvents that are exempt from the definition of VOC in 40 CFR 63.741 and 40 CFR 51.100, then the HAP content must be used to demonstrate compliance.	II.A.1.d. Work Practice Inspection II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.46	40 CFR 63.749(d)(3)(i) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For all uncontrolled primers, all values of H_i and H_a (as determined using the procedures specified in 40 CFR 63.750(c) and (d)) are less than or equal to the applicable HAP content limit in 40 CFR 63.745(c)(1), and all values of G_i and G_a (as determined using the procedures specified in §63.750(e) and (f)) are less than or equal to the applicable VOC content limit in 40 CFR 63.745(c)(2).	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.47	40 CFR 63.749(d)(3)(iii) (8/3/16) 40 CFR 63.749(d)(4)(iii) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	(A) Uses an application technique specified in §63.745(f)(1)(i) through (f)(1)(viii), or (B) Uses an alternative application technique, as allowed under §63.745(f)(1)(ix), such that the emissions of both organic HAP and VOC for the implementation period of the alternative application method are less than or equal to the emissions generated using HVLP or electrostatic spray application methods as determined using the procedures specified in §63.750(i).	II.A.1.d. Work Practice Inspection

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.48	40 CFR 63.749(d)(3)(iv) (8/3/16) 40 CFR 63.749(d)(4)(iv) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Operates all application techniques in accordance with the manufacturer's specifications or locally prepared operating procedures, whichever is more stringent.	II.A.1.d. Work Practice Inspection
I.B.1.49	40 CFR 63.749(d)(4) (8/3/16) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	The topcoat or specialty coating application operation is considered in compliance when the conditions specified in 40 CFR 63.749(d)(4)(i), (d)(4)(iii) through (d)(4)(iv), as applicable, and in 40 CFR 63.749(f) are met. Failure to meet any of the conditions identified in these paragraphs shall constitute noncompliance.	II.A.1.d. Work Practice Inspection II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.50	40 CFR 63.749(d)(4)(i) (8/3/16) 40 CFR 63.749(d)(4)(i)(A) (8/3/16) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For all uncontrolled topcoats, all values of H_i and H_a (as determined using the procedures specified in §63.750(c) and (d)) are less than or equal to 420 grams organic HAP per liter (3.5 lb/gal) of topcoat (less water) as applied, and all values of G_i and G_a (as determined using the procedures specified in §63.750(e) and (f)) are less than or equal to 420 grams organic VOC per liter (3.5 lb/gal) of topcoat (less water and exempt solvents) as applied. The compliance demonstration for a topcoat or a specialty coating may be based on the organic HAP content or the VOC content of the coating; demonstrating compliance with both the HAP content limit and the VOC content limit is not required. If a topcoat or specialty coating contains HAP solvents that are exempt from the definition of VOC in 40 CFR 63.741 and 40 CFR 51.100, then the HAP content must be used to demonstrate compliance.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.51	40 CFR 63.749(d)(4)(i) (8/3/16) 40 CFR 63.749(d)(4)(i)(B) (8/3/16) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For all uncontrolled specialty coatings, all values of H_i and H_a (as determined using the procedures specified in §63.750(c) and (d)) are less than or equal to the applicable HAP content limits specified in Table 1 to §63.745 for the applicable specialty coating types (less water) as applied, and all values of G_i and G_a (as determined using the procedures specified in §63.750(e) and (f)) are less than or equal to the applicable VOC content limits specified in Table 1 to §63.745 for the applicable specialty coating types (less water and exempt solvents) as applied.	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping II.B.1.g. ANESHAP Averaging Scheme for Primer, Topcoat and Specialty Coatings
I.B.1.52	40 CFR 63.750(i) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn may apply for alternative application methods for primers, topcoats, and specialty coatings by following procedures in 40 CFR 63.750(i).	No monitoring required
ANESHAP Primer, Topcoat and Specialty Coating Inorganic HAP Application Operations Requirements in this section are the ANESHAP requirements related to aerospace primer, topcoat and specialty coating application operations (as defined in 40 CFR 63.741 and 742) where the primer, topcoat or specialty coating contains an inorganic HAP. These requirements only apply when an aerospace primer, topcoat or specialty coating containing an inorganic HAP is sprayed onto an aerospace part. The spray booths in which this activity occurred at the time of permit issuance are identified above in the emission unit description. Coatings that do not contain inorganic HAPs or coatings that are not primers, topcoats, or specialty coatings as defined in the ANESHAP may also be sprayed in these booths. Boeing Auburn may add other booths as being subject to the inorganic HAP requirements provided that Boeing Auburn shall, contemporaneously with making the change, record in a log at Boeing Auburn a record of the additional booths that are required to comply with the following requirements and the scenario under which they are operating. ANESHAP requirements for coatings with inorganic HAPs do not apply if the inorganic HAP concentration is less than 0.1% for carcinogens and 1.0% for non-carcinogens.			
I.B.1.53	40 CFR 63.743(a)(10) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall notify the PSCAA on or before March 1 of each year of the (re)construction of any booths or hangars, during the prior calendar year, with potential to emit less than 10 tons/yr of an individual inorganic HAP or less than 25 tons/yr of all inorganic HAP combined and shall include the information in 40 CFR 63.5(b)(4), with respect to inorganic HAPs. Submission of a Notice of Construction (NOC) and Application for Approval to the PSCAA fulfills the above-mentioned initial notification requirements.	II.A.3.a. Approval by the PSCAA, via NOCOA

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.54	40 CFR 63.745(g)(1) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall apply aerospace primers, topcoats and specialty coatings containing inorganic HAPs in a booth or hangar with airflow directed downward onto or across the part or assembly and exhausted through one or more outlets.	II.A.1.d. Work Practice Inspection
I.B.1.55	40 CFR 63.745(g)(2)(i)(A) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For existing booths or hangars where primers, topcoats, or specialty coatings containing inorganic HAPs are spray applied, the air stream must be exhausted through a dry particulate filter system certified using Method 319 in Appendix A of Part 63 to meet or exceed the efficiency data points in 40 CFR 63.745(g)(2)(i)(A) Tables 2 and 3. Alternatively, may choose to comply with 40 CFR 63.745(g)(2)(i)(B), or (C).	II.A.3.b. Documentation on File
I.B.1.56	40 CFR 63.745(g)(2)(i)(C) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For existing booths or hangars where primers, topcoats, or specialty coatings containing inorganic HAPs are spray applied, the air stream must be exhausted through an air pollution control system that meets or exceeds the efficiency data points in 40 CFR 63.745(g)(2)(i)(A) Tables 2 and 3 and is approved by the permitting authority. Alternatively, may choose to comply with 40 CFR 63.745(g)(2)(i)(A) or (B).	II.A.3.b. Documentation on File
I.B.1.57	40 CFR 63.745(g)(2)(ii)(A) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For new booths or hangars where primers, topcoats, or specialty coatings containing inorganic HAPs are spray applied, the air stream must be exhausted through a dry particulate filter system that is certified using Method 319 in Appendix A of Part 63 to meet or exceed the efficiency data points in 40 CFR 63.745(g)(2)(ii)(A) Tables 4 and 5. Alternatively, may choose to comply with 40 CFR 63.745(g)(2)(ii)(B).	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.58	40 CFR 63.745(g)(2)(ii)(B) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For new booths or hangars where primers, topcoats, or specialty coatings containing inorganic HAPs are spray applied, the air stream must be exhausted through an air pollution control system that meets or exceeds the efficiency data points in 40 CFR 63.745(g)(2)(ii)(A) Tables 4 and 5 and is approved by the permitting authority. Alternatively, may choose to comply with 40 CFR 63.745(g)(2)(ii)(A).	II.A.3.a. Approval by the PSCAA, via NOCOA
I.B.1.59	40 CFR 63.745(g)(2)(iv) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	If a dry particulate filter system is used, Boeing Auburn must meet the following requirements: (A) Maintain the system in good working order; (B) Install a differential pressure gauge across the filter banks: (C) Continuously monitor the pressure drop across the filter and record once per shift, 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); and (D) Take corrective action when pressure drop exceeds or falls below the filter manufacturer's recommended limit(s).	II.A.1.c. Facility Inspections II.B.1.a. Spray Booth Filter Monitoring and Maintenance II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.60	40 CFR 63.745(g)(3) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn must shut down the spray operation if the pressure drop (as recorded pursuant to 40 CFR 63.752(d)(1) go outside of the range or if Boeing Auburn does not do scheduled maintenance. The operation shall not be resumed until the pressure drop is returned within the specified limit(s).	II.A.1.d. Work Practice Inspection II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.61	40 CFR 63.745(g)(4) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	The requirements of 40 CFR 63.745(g)(1) through (g)(3) do not apply to: touchup of scratched surfaces or damaged paint; hole daubing for fasteners; touchup of trimmed edges; coating prior to joining dissimilar metal components; stencil operations performed by brush or air brush; section joining; touchup of bushing and other similar parts; sealant detackifying; painting parts in an area identified in a Title V permit, where the PSCAA has determined that it is not technically feasible to paint the parts in a booth; and, use of hand-held spray can application methods.	No monitoring required
I.B.1.62	40 CFR 63.749(e) (8/3/16) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	For each primer, topcoat, or specialty coating application operation that emits inorganic HAP, the operation is in compliance when: - It is operated according to the requirements specified in §63.745(g)(1) through (g)(3); and - It is shut down immediately whenever the pressure drop is outside the limit(s) established for them and is not restarted until the pressure drop is returned within these limit(s), as required under §63.745(g)(3). Failure to meet these conditions shall constitute noncompliance.	II.A.1.c. Facility Inspections II.A.1.d. Work Practice Inspection II.A.3.a. Approval by the PSCAA, via NOCOA II.A.3.b. Documentation on File II.B.1.a. Spray Booth Filter Monitoring and Maintenance II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.63	40 CFR 63.750(o) (12/7/15) PSCAA Reg III: 2.02 (4/23/15) (State Only) PSCAA Reg I: 3.25 (9/28/23) (State Only)	When dry filters are used to control inorganic HAP emissions from the booth, the filters must be certified using Method 319 in Appendix A of Subpart 63.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
ANESHAP Waste The requirements in this section are the ANESHAP requirements related to waste handling operations.			
I.B.1.64	40 CFR 63.748(a) (12/7/15) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Boeing Auburn shall handle and store HAP-containing wastes from aerospace primer, topcoat, specialty coating, chemical milling maskant, or chemical depainting operations as follows: (1) Conduct the handling and transfer of the waste to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills. (2) Store all waste that contains organic HAP in closed containers. These requirements do not apply to spent wastes that contain organic HAP that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268 (including the air emission control requirements in 40 CFR part 265, subpart CC).	II.A.1.d. Work Practice Inspection
I.B.1.65	40 CFR 63.749(a)(3) and (i) (8/3/16) 40 CFR 63.749(a)(3) (8/3/16) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23) *(State Only)*	Handling and storage of waste. Failure to comply with the requirements specified in §63.748 shall be considered a violation.	II.A.1.d. Work Practice Inspection
PSCAA Regulation I Spray Coating Requirements in this section are PSCAA Reg. I Section 9.16 requirements for spray coating operations.			
I.B.1.66	PSCAA Reg. I:9.16(b) (10/28/10)	The regulation applies to spray coating operations at Boeing Auburn where coating that protects or beautifies a surface is applied with spray coating equipment.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.67	PSCAA Reg. I:9.16(b) (10/28/10)	The following activities are exempt from the provisions of Reg I: 9.16(c), and 9.16(d). Persons claiming any of the exemptions shall have the burden of demonstrating compliance: 1) Application of architectural or maintenance coatings to stationary structures. 2) Aerospace coating operations subject to 40 CFR Part 63 Subpart GG, including all activities and materials listed in 40 CFR 63.741(f). 3) Use of HVLP guns in certain situations described in Reg I: 9.16(b)(3)(A) through (E). 4) Use of air brush spray equipment with 0.5 to 2.0 CFM airflow and 2 fluid ounce or less cup capacity. 5) Use of hand-held aerosol spray cans with 1 quart or less capacity. 6) Indoor application of automotive undercoating materials using organic solvents with flash points in excess of 100F.	No monitoring required
I.B.1.68	PSCAA Reg. I:9.16(c) (10/28/10)	Unlawful to allow spray-coating inside a structure, or spray-coating of any motor vehicles or components, unless the spray-coating is conducted inside an enclosed spray area employing paint arresters or water-wash curtains to control overspray. All emissions shall be vented through an unobstructed vertical exhaust vent.	II.A.1.d. Work Practice Inspection II.A.3.a. Approval by PSCAA, via NOCOA
I.B.1.69	PSCAA Reg. I:9.16(d) (10/28/10)	General Requirements for Outdoor Spray-Coating Operations. It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating outside an enclosed structure unless reasonable precautions are employed to minimize the overspray. Reasonable precautions include, but are not limited to the use of: (1) Enclosures and curtailment during high winds; and (2) High-volume low-pressure (HVLP), low-volume low-pressure (LVLP), electrostatic, or air-assisted airless spray equipment. Airless spray equipment may be used where low viscosity or high solid coatings preclude the use of higher transfer efficiency spray equipment.	II.A.1.d. Work Practice Inspection II.A.3.a. Approval by PSCAA, via NOCOA

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.70	PSCAA Reg I: 9.16(f) (10/28/10)	Compliance with PSCAA Reg. I Section 9.16 does not exempt any person from compliance with PSCAA Reg. I Section 9.11, Section I.A.7, and all other applicable regulations.	No monitoring required
PSCAA Regulation II Aerospace Component Coating Operations Requirements in this section are PSCAA Reg. II requirements for aerospace component coating operations.			
I.B.1.71	PSCAA Reg II: 3.09(a) (12/9/93)	Reg. II: 3.09 applies to operations in which coatings are applied to aerospace components. Aerospace component means a fabricated part, assembly of parts, or completed unit of any aircraft, helicopter, missile, or space vehicle.	No monitoring required
I.B.1.72	PSCAA Reg II: 3.09(b) (12/9/93)	Application of the following coatings in excess of the following limits is unlawful: Commercial Aerospace Topcoat: 420 gm VOC/Liter Military Aerospace Topcoat: 420 gm VOC/Liter Commercial Aerospace Primer: 350 gm VOC/Liter Military Aerospace Primer: 350 gm VOC/Liter Temporary Protective Coating: 250 gm VOC/Liter Commercial Aerospace Topcoat and Primer are defined in Reg. II:1.05 as BMS 10-11 Type II and BMS 10-11 Type I, respectively. Military Aerospace Topcoat and Primer are defined in Reg. II:1.05 as the current version of MIL-C-85285 and MIL-P-85582, respectively.	II.B.1.i. PSCAA VOC Content Monitoring and Recordkeeping Procedure
I.B.1.73	PSCAA Reg II: 3.09(c) (12/9/93)	The coatings in Reg. II, 3.09(b) must be applied by HVLP spray equipment (0.1 to 10 psig air pressure for atomization), electrostatic spray equipment, or other acceptable coating application methods listed in Reg. II, 3.09(c).	II.A.1.d. Work Practice Inspection
I.B.1.74	PSCAA Reg II: 3.09(d) (12/9/93)	Boeing Auburn must collect and minimize the evaporation of VOC containing materials used for cleanup of spray equipment, including paint lines. VOC-containing cleanup material for spray equipment must be stored in closed containers.	II.A.1.d. Work Practice Inspection

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.75	PSCAA Reg II: 3.09(e) (12/9/93)	Containers used for the storage or disposal of VOC containing materials shall be kept closed except when being cleaned or when materials are being added, mixed, or removed. Closed containers for solvent rag or paper disposal are required. Disposal is required when the cleaning operation is completed or before leaving for a break or end of shift, whichever comes first.	II.A.1.d. Work Practice Inspection
PSCAA Regulation II Motor Vehicle and Mobile Equipment Coating Operations Requirements in this section are PSCAA Reg. II requirements that apply to motor vehicles and mobile equipment coating operations. Motor vehicle and mobile equipment coating operations are not normally conducted in the paint hangars and spray booths used in aerospace component coating operations. Mobile equipment means any equipment that may be drawn or is capable of being driven on a roadway, including, but not limited to, truck bodies, truck trailers, utility bodies, camper shells, mobile cranes, bulldozers, street cleaners, golf carts and implements of husbandry. Reg. II Section 3.04 requirements for Original Equipment Manufacturers (OEM) do not apply to Boeing Auburn.			
I.B.1.76	PSCAA Reg. II: 3.04(b) (07/24/03)	It shall be unlawful for any person to apply any specialty coating with a VOC content in excess of 840 grams/liter, excluding water. Use of all specialty coatings except antiglare/safety coatings shall not exceed 5.0% of all coatings applied on a monthly basis. Specialty coatings are coatings that are necessary due to unusual job performance requirements and whose VOC content exceeds 630 grams/liter.	II.A.1.d. Work Practice Inspection II.B.1.i. PSCAA VOC Content Monitoring and Recordkeeping Procedure
I.B.1.77	PSCAA Reg. II: 3.04(d) (07/24/03)	It shall be unlawful for any person to apply any VOC-containing material to any motorized vehicles, their parts and components, or equipment designed to be pulled by motorized vehicles unless the coating is applied by the use of one of the following methods: (1) High volume, low pressure (0.1 to 10 psig air pressure for atomization) spray equipment, (2) Electrostatic spray equipment, (3) Flow coat, (4) Dip coat, (5) Brush coat, (6) Hand-held aerosol cans, (7) Roll coat, or (8) Air brush	II.A.1.d. Work Practice Inspection

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.78	PSCAA Reg. II: 3.04(e) (07/24/03)	Boeing Auburn must collect and minimize the evaporation of VOC-containing materials used for cleanup of spray equipment, including paint lines. VOC containing cleanup material that is flushed through the spray equipment or lines shall be collected in closed containers.	II.A.1.d. Work Practice Inspection
I.B.1.79	PSCAA Reg. II: 3.04(f) (07/24/03)	VOC containing material must be stored in closed containers and disposed of properly. Closed containers for solvent rag or paper disposal are required.	II.A.1.d. Work Practice Inspection
PSCAA Reg. I and State Statute O&M Requirements Requirements in this section are PSCAA and State O&M requirements for operating permit sources.			
I.B.1.80	PSCAA Reg I: 9.20(a) (6/9/88) RCW 70.94.152(7) 1996 (State Only)	All equipment must be maintained in good working order.	II.A.1.c. Facility Inspections II.B.1.a. Spray Booth Filter Monitoring and Maintenance II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
NOCOA 4732 requirements apply to the Asset #60710 spray booth exhausted at 16,000 cfm in Bldg 17-66.			
I.B.1.81	NOCOA 4732 Condition #1 (11/18/92)	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.	II.A.3.b. Documentation on File
NOCOA 5987 requirements apply to the Asset #6778 spray booth exhausted at 3,600 cfm in Bldg 17-66.			
I.B.1.82	NOCOA 5987 Condition #1 (6/3/95))	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 5404 requirements apply to the Asset #61615 spray booth exhausted at 15,350 cfm in Bldg 17-08.			
I.B.1.83	NOCOA 5404 Condition #1 (4/13/95)	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.	II.A.3.b. Documentation on File
NOCOA 7279 requirements apply to the Asset #12355 and 12356 spray booths (one rated at 45,000 cfm and one rated at 25,000 cfm) with 3-stage NESHAP compliant dry filters in the Bldg. 17-07 used for primer and topcoat application on aerospace parts and components.			
I.B.1.84	NOCOA 7279 Condition #1 (2/24/98)	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.	II.A.3.b. Documentation on File
I.B.1.85	NOCOA 7279 Condition #3 (2/24/98)	Boeing shall install and maintain a gauge to measure the pressure drop across the 3-stage dry filter system of each spray booth. The acceptable range for the gauge shall be clearly marked on or nearby the gauges.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.86	NOCOA 12441 Condition #3 (TBD)	Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.87	NOCOA 7279 Condition #7 (2/24/98)	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.	II.C.2. Monitoring, Recordkeeping and Reporting Requirements– NOCOA 7279

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 7302 requirements apply to the Asset #13305, 13306, 13307 and 13308 spray booths each rated at 38,000 cfm with dry filters and HEPA filtration in the Bldg. 17-45.			
I.B.1.88	NOCOA 7302 Condition #1 (3/31/98)	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.	II.A.3.b. Documentation on File
I.B.1.89	NOCOA 7302 Condition #3 (3/31/98)	Boeing shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filter systems. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure.
I.B.1.90	NOCOA 12441 Condition #3 (TBD)	Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.91	NOCOA 7302 Condition #6 (3/31/98)	Boeing shall install and maintain HEPA filters downstream of the three-stage aerospace NESHAP filters on each spray booth.	II.A.3.b. Documentation on File II.B.1.a. Spray Booth Filter Monitoring and Maintenance
NOCOA 7941 requirements apply to the Asset #14720 TCIB spray booth rated at 24,000 cfm with dry filters and HEPA filtration in the Bldg. 17-45.			
I.B.1.92	NOCOA 7941 Condition #1 (11/2/99)	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.	II.A.3.b. Documentation on File
I.B.1.93	NOCOA 7941 Condition #3 (11/2/99)	Boeing shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filter systems. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.94	NOCOA 12441 Condition #4 (TBD)	Boeing Auburn 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, Boeing Auburn 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 Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 7639 requirements apply to the Asset #10851 dry lubricant spray booth rated at 14,445 cfm in the Bldg. 17-68.			
I.B.1.95	NOCOA 7639 Condition #1 (12/15/98)	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.	II.A.3.b. Documentation on File
I.B.1.96	NOCOA 7639 Condition #3 (12/15/98)	Boeing shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filter systems. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.97	NOCOA 12441 Condition #5 (TBD)	Boeing Auburn shall read and record the pressure drop once during each month that the booth is in operation. Reading and recording the pressure drop is not required if the owner of operator has installed an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). If the pressure drop exceeds or falls below the acceptable pressure drop range, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 7689 requirements apply to the Asset #14921 spray booth rated at 8,000 cfm in the Bldg. 17-45.			
I.B.1.98	NOCOA 7689 Condition #1 (4/9/99)	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.	II.A.3.b. Documentation on File
I.B.1.99	NOCOA 7689 Condition #3 (4/9/99)	Boeing shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filter systems. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.100	NOCOA 12441 Condition #4 (TBD)	Boeing Auburn 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, Boeing Auburn 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 Boeing Auburn 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, Boeing Auburn shall take corrective action as specified below: c. 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. d. 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 8506 requirements apply to the Asset #59822 and 10695 spray booths rated at 16,000 cfm equipped with three-stage aerospace NESHAP compliant filters and HEPA filtration in the Bldg. 17-45.			
I.B.1.101	NOCOA 8506 Condition #1 (3/29/02)	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.	II.A.3.b. Documentation on File
I.B.1.102	NOCOA 8506 Condition #3 (3/29/02)	Boeing shall install and maintain gauges to measure the pressure drop across the filters of the manual spray booth 10695 and, spray booth 59822, in Building 17-45.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.103	NOCOA 8506 Condition #4 (3/29/02)	Boeing shall incorporate the normal operating pressure drop into its Operation and Maintenance (O&M) Plan or pressure drop log sheet and clearly marked that range on or near the pressure drop gauge.	II.A.2. O&M Plan Requirements II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.104	NOCOA 8506 Condition #5 (3/29/02)	For manual spray booth 10695, and spray booth 59822, check the primary dry filter systems, where visible, for proper seating and complete coverage over the exhaust plenum. This inspection shall be conducted at least monthly or at time of use if booth is used less frequently than once per month. If filter coverage is acceptable for 12 consecutive months, the inspection frequency may be reduced to quarterly. If coverage is unacceptable during quarterly inspections, monthly inspections shall be reinstated	II.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.105	NOCOA 8506 Condition #6 (3/29/02)	If improperly seated filters, incomplete coverage over the exhaust plenum, or abnormal pressure drop are observed, Boeing shall take corrective action prior to resuming any spray coating activity.	II.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.106	NOCOA 8506 Condition #7 (3/29/02)	Records of all inspections and corrective actions shall be maintained for at least five years and made available to Puget Sound Clean Air Agency personnel upon request.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.107	NOCOA 8506 Condition #8 (3/29/02)	Boeing shall comply with the Aerospace National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63 Subpart GG and the General Provisions of the NESHAP, 40 CFR 63 Subpart A with respect to operations in the spray coating booths.	II.B.1. Coating, Cleaning, and Depainting Operations, Monitoring, Maintenance and Recordkeeping Methods
NOCOA 8747 requirements apply to the Asset #3806 spray booth rated at 29,000 cfm with dry filters complying with 40 CFR 63.745(g)(2)(ii) and additional down-stream HEPA filtration capable of 99.97% control in the Bldg. 17-45.			
I.B.1.108	NOCOA 8747 Condition #1 (12/19/02)	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.	II.A.3.b. Documentation on File
I.B.1.109	NOCOA 8747 Condition #3 (12/19/02)	Boeing shall install exhaust filters that meet the requirements of 40 CFR 63.745(g)(2)(ii).	II.A.3.b. Documentation on File
I.B.1.110	NOCOA 8747 Condition #5 (12/19/02)	The air exhaust from this spray booth shall be vented through HEPA filters with a control efficiency of 99.97% or greater.	II.A.1.c. Facility Inspection II.A.3.b. Documentation on File
I.B.1.111	NOCOA 8747 Condition #6 (12/19/02)	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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.112	NOCOA 12441 Condition #3 (TBD)	Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.113	NOCOA 8747 Condition #8 (12/19/02)	Boeing shall check the primary 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 inspection in a one-year period, this inspection 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.	II.B.1.a. Spray Booth Filter Monitoring and Maintenance

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.114	NOCOA 8747 Condition #9 (12/19/02)	Boeing shall annually check that the exhaust filters installed at this booth meet the requirements of 40 CFR 63.745(g)(2)(ii).	I.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.115	NOCOA 8747 Condition #10 (12/19/02)	Boeing shall check to see that the pressure drop gauge functions properly and the pressure drop range is labeled on the log sheets at least quarterly.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.116	NOCOA 8747 Condition #11 (12/19/02)	Boeing shall comply with the requirements of Puget Sound Clean Air Agency Regulation II Section 3.09.	II.B.1.i. PSCAA VOC Content Monitoring and Recordkeeping Procedure
NOCOA 8835 requirements apply to the Asset #6783 spray booth rated at 16,000 cfm with dry filters complying with 40 CFR 63.745(g)(2)(ii)(A) in the Bldg. 17-62.			
I.B.1.117	NOCOA 8835 Condition #1 (7/1/03)	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.	II.A.3.b. Documentation on File
I.B.1.118	NOCOA 8835 Condition #3 (7/1/03)	Boeing shall install exhaust filters that meet the requirements of 40 CFR 63.745(g)(2)(ii).	II.A.3.b. Documentation on File
I.B.1.119	NOCOA 8835 Condition #5 (7/1/03)	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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.120	NOCOA 12441 Condition #3 (TBD)	Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.121	NOCOA 8835 Condition #7 (7/1/03)	Boeing shall check the primary 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 a 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 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.	II.B.1.a. Spray Booth Filter Monitoring and Maintenance

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.122	NOCOA 8835 Condition #8 (7/1/03)	Boeing shall annually check that the exhaust filters installed at this booth meet the requirements of 40 CFR 63.745(g)(2)(ii).	I.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.123	NOCOA 8835 Condition #9 (7/1/03)	Boeing shall check to see that the pressure drop gauge functions properly and the pressure drop range is labeled on the log sheets at least quarterly.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.124	NOCOA 8835 Condition #10 (7/1/03)	Boeing shall comply with the requirements of Puget Sound Clean Air Agency Regulation II Section 3.09	II.B.1.i. PSCAA VOC Content Monitoring and Recordkeeping Procedure
NOCOA 8029 requirements apply to the Asset #55223 and #55225 spray booths rated at 20,000 cfm in the Bldg. 17-45.			
I.B.1.125	NOCOA 8029 Condition #1 (11/19/07)	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.	II.A.3.b. Documentation on File
NOCOA 10234 requirements apply to the Asset #25201 2,600 cubic foot dry lubricant spray booth rated at 20,000 cfm in the Bldg. 17-68.			
I.B.1.126	NOCOA 10234 Condition #1 (1/11/11)	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.	II.A.3.b. Documentation on File
I.B.1.127	NOCOA 10234 Condition #3 (1/11/11)	The air exhausted from this spray booth 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.	II.A.1.c. Facility Inspection II.A.3.b. Documentation on File
I.B.1.128	NOCOA 10234 Condition #4 (1/11/11)	Boeing Auburn shall maintain a gauge to measure pressure drop across the exhaust filters and mark the acceptable range for the gauge shall be clearly marked on or nearby the gauge or on a pressure drop log.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.129	NOCOA 10234 Condition #5 (1/11/11)	Spray coating shall be conducted using 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.	II.A.1.d. Work Practice Inspection II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.130	NOCOA 12441 Condition #5 (TBD)	Boeing Auburn shall read and record the pressure drop once during each month that the booth is in operation. Reading and recording the pressure drop is not required if the owner of operator has installed an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). If the pressure drop exceeds or falls below the acceptable pressure drop range, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.131	NOCOA 10234 Condition #7 (1/11/11)	Boeing Auburn 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 a time of use if booth is used less frequently than once per week.	I.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.132	NOCOA 10234 Condition #8 (1/11/11)	If improperly seated filters, incomplete coverage, or pressure drop outside of the acceptable range are observed, Boeing Auburn shall, as soon as practical but within 24 hours of the initial observation either; correct the pressure drop or alternatively, shut down the unit until it can be repaired	I.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.133	NOCOA 10234 Condition #9 (1/11/11)	Boeing shall not spray apply any coating or lubricant in this booth that contains cadmium, chromium or lead compounds.	II.C.3. Monitoring and Recordkeeping Requirements – NOC 10234
I.B.1.134	NOCOA 10234 Condition #10 & 11 (1/11/11)	VOC emissions from this booth shall not exceed 7.0 tons during any rolling 12 calendar month period. Within 30 days of the end of each month, Boeing Auburn shall calculate VOC emissions from the spray booth for the latest 12 calendar month period	II.A.3.b. Documentation on File II.C.3. Monitoring and Recordkeeping Requirements – NOC 10234

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 10298 requirements apply to the gun cleaning operation at Asset #14921 spray booth in Bldg. 17-45.			
I.B.1.135	NOCOA 10298 Condition #1 (5/18/11)	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.	II.A.3.b. Documentation on File
I.B.1.136	NOCOA 10298 Condition #4 (5/18/11)	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.	II.A.1.d. Work Practice Inspection
I.B.1.137	NOCOA 10298 Condition #5 (5/18/11)	At no time may solvent discharged from gun cleaning be atomized into the open air or through the exhaust filters.	II.A.1.d. Work Practice Inspection
I.B.1.138	NOCOA 10298 Condition #6 (5/18/11)	Organic solvents used for cleanup of equipment must be collected and returned to closed containers after every use.	II.A.1.d. Work Practice Inspection
NOCOA 10332 requirements apply to the Asset #19780 spray booth rated at 23,000 cfm and Asset #55225 spray booth rated at 16,000 cfm with dry filters in Bldg. 17-45. Booths are equipped with dry exhaust filters meeting 40 CFR 63.745(g)(2)(ii)(A) requirements.			
I.B.1.139	NOCOA 10332 Condition #1 (7/14/11)	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.	II.A.3.b. Documentation on File
I.B.1.140	NOCOA 10332 Condition #3 (7/14/11)	The air exhausted from the spray booths shall be vented through EPA Method 319 certified filters meeting the requirements of 40 CFR 63.745(g)(2)(ii)(A)	II.A.1.c. Facility Inspection II.A.3.b. Documentation on File
I.B.1.141	NOCOA 10332 Condition #4 (7/14/11)	Boeing Auburn shall maintain gauges to measure pressure drop across all exhaust filter banks of the spray booths and mark the acceptable pressure drop range for the gauge shall be clearly marked on or nearby the gauge or on a pressure drop log.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.142	NOCOA 12441 Condition #3 (TBD)	Boeing Auburn 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, Boeing Auburn 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure
I.B.1.143	NOCOA 10332 Condition #7 (7/14/11)	Boeing Auburn shall check the primary dry filter systems, where visible, for proper seating and complete coverage of 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.	II.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.144	NOCOA 10332 Condition #8 (7/14/11)	Boeing shall annually check to see if the correct filters are installed	II.B.1.a. Spray Booth Filter Monitoring and Maintenance II.A.3.b. Documentation on File
I.B.1.145	NOCOA 10332 Condition #9 (7/14/11)	Spray coating shall be conducted using HVLP spray equipment or other spray equipment with a transfer efficiency that is at least equivalent to HVLP.	II.A.1.d. Work Practice Inspection II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 10846 requirements apply to the Asset #56105 spray booth rated at 16,000 cfm with dry filters in Bldg. 17-45. The booth is equipped with three-stage NESHAP compliant dry filtration system, or equivalent. Use of chromium-containing coatings and application with a robotic spray system if authorized under this Order.			
I.B.1.146	NOCOA 10846 Condition #1 (10/23/14)	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.	II.A.3.b. Documentation on File
I.B.1.147	NOCOA 10846 Condition #3 (10/23/14)	Boeing Auburn 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.	II.C.4. Monitoring and Recordkeeping Requirements – NOCOA 10846
I.B.1.148	NOCOA 10846 Condition #4 (10/23/14)	Organic HAP emissions from primers shall be limited to an organic HAP content level of no more than 2.9 lb/gal 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)	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping
I.B.1.149	NOCOA 10846 Condition #5 (10/23/14)	VOC emissions from primers shall be limited to a VOC content level of no more than to a VOC content level of no more than 2.9 lb/gal 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)	II.B.1.e. ANESHAP Coating Operations Monitoring and Recordkeeping
I.B.1.150	NOCOA 10846 Condition #7 (10/23/14)	The booth shall be equipped with Purolator Supersorb III 3-stage dry filters or 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.	II.A.1.c. Facility Inspection II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.151	NOCOA 10846 Condition #8 (10/23/14)	Boeing Auburn shall maintain a pressure drop measurement device, such as a manometer of magnehelic, to measure pressure drop across the exhaust filters of the spray booth. The upper and lower pressure drop that is acceptable for effective operation of the filter 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.152	NOCOA 12441 Condition #4 (TBD)	Boeing Auburn 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, Boeing Auburn 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 Boeing Auburn 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, Boeing Auburn shall take corrective action as specified below: e. 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. f. 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, Boeing Auburn 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.	II.B.1.f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.1.153	NOCOA 10846 Condition #10 (10/23/14)	Boeing Auburn shall check the dry filter system for proper seating and complete coverage over the exhaust plenum, and shall record the results on the 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 of the exhaust plenum is observed, Boeing Auburn shall, as soon as practical but within 24 hours of initial observation either correct the problem or shut down the unit until in can be repaired.	I.B.1.a. Spray Booth Filter Monitoring and Maintenance
I.B.1.154	NOCOA 10846 Condition #11 (10/23/14)	Spray coating shall be conducted using HVLP spray equipment or other spray equipment with a transfer efficiency that is at least equivalent to HVLP.	II.A.1.d. Work Practice Inspection II.A.3.b. Documentation on File
NOCOA 11388 conditions that apply to Asset #56540, 56541, and 59271 spray booths in Building 17-68.			
I.B.1.155	NOCOA 11388 Condition #1 (9/20/17)	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.	II.A.3.b. Documentation on File
NOCOA 12007 conditions that apply to Asset #58303 and 58305 spray booths rated at 20,000 cfm in Building 17-62.			
I.B.1.156	NOCOA 12007 Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File

2. External Combustion

This section includes all boilers and process heaters that have specific applicable requirements other than the facility-wide applicable requirements in Section I.A.

The table below includes boilers and process heaters that received an NOCOA or were registered with PSCAA. It may also include boilers or process heaters that were not registered or required to receive an NOCOA but that are subject to one of the federal standards under 40 CFR Part 60 or Part 63. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	Col./Dr.	Asset #	NOCOA	Date Installed	Source Description	40 CFR 60 Subpart Dc?	40 CFR 63 Subpart DDDDD?	DDDDD Tune-up Frequency
17-09	*Boiler Room*	*6827*	*7271*	*1998*	*Boiler #4, 95 MMBtu/hr, gas fired with low NOx burners*	*Yes*	*Yes*	*5 yrs*
17-62	*G2*	*58127*	*12007*	*1992*	*Boiler, 12.6 MMBtu/hr, gas fired*	*Yes*	*Yes*	*5 yrs*
17-62	*G2*	*58128*	*12007*	*1992*	*Boiler, 12.6 MMBtu/hr, gas fired*	*Yes*	*Yes*	*5 yrs*
17-66	*K5*	*60202*	*5986*	*1993*	*Boiler, 10.4 MMBtu/hr, gas fired*	*Yes*	*Yes*	*5 yrs*
17-66	*J5*	*60203*	*5986*	*1993*	*Boiler, 10.4 MMBtu/hr, gas fired*	*Yes*	*Yes*	*5 yrs*
17-09	*Boiler Room*	*6830*	*Reg.*	*1966*	*Boiler #1, 150 MMBtu/hr, gas & diesel #2*	*No*	*Yes*	*5 yrs*
17-09	*Boiler Room*	*6829*	*Reg.*	*1966*	*Boiler #2, 150 MMBtu/hr, gas & diesel #2*	*No*	*Yes*	*5 yrs*
17-09	*Boiler Room*	*6828*	*Reg.*	*1966*	*Boiler #3, 150 MMBtu/hr, gas & diesel #2*	*No*	*Yes*	*5 yrs*
17-10	*AA1.5*	*8190*	*Reg.*	*1966*	*Process Furnace, 34 MMBtu/hr, gas fired*	*No*	*No*	*N/A*
17-45	*B8.5*	*11116072*	*10730*	*2015*	*Autoclave (composite cure) 13 MMBtu/hr, gas fired*	*No*	*No*	*N/A*
17-45	*G5.5*	*11075625*	*10497*	*2012*	*Oven (composite cure) 3 MMBtu/hr, gas fired*	*No*	*Yes*	*5 yrs*
17-45	*G5.5*	*11075626*	*10497*	*2012*	*Oven (composite cure) 3 MMBtu/hr, gas fired*	*No*	*Yes*	*5 yrs*

Table 5. Applicable Requirements – External Combustion

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NESHAP Subpart DDDDD for Boilers and Process Heaters Requirements I.B.2.1 through I.B.2.9 are the 40 CFR 63 NESHAP requirements that apply to external combustion equipment. These requirements apply only to Boilers Asset #6827, Asset #58127, Asset #58128, Asset #60202, Asset #60203, Asset #6830, Asset #6829, Asset #6828, Asset #11075625 and Asset #11075626. All Subpart DDDDD affected sources at Boeing Auburn are Gas 1 units with natural gas as the only fuel. Boilers and heaters operating at Boeing Auburn at time of issuance and rated greater than 5 MMBtu/hr have continuous oxygen trim.			
I.B.2.1	40 CFR 63.7491 (11/20/15) 40 CFR 63.7575 (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Certain types of boilers and process heaters are not subject to Subpart DDDDD including per 63.7491 and 63.7575: • A boiler or process heater that is used specifically for research and development. • A hot water heater as defined in this Subpart DDDDD. • Temporary boilers or process heaters as defined in Subpart DDDDD. • Other types of boilers and process heaters listed in 63.7491 • Units used for comfort heat or space heat • Food preparation for on-site consumption • Autoclaves • Waste heat process heaters	No monitoring required
I.B.2.2	40 CFR 63.7500(a)(1) (10/6/22) 40 CFR 63.7500(e) (10/6/22) 40 CFR 63.7540(a) (10,11&12) (10/6/22) Subpart DDDDD Table 3 (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4. Tune ups for Gas 1 boilers and process heaters are required as specified in §63.7540: 1) every 5 years if the unit has continuous oxygen trim regardless of size, or 2) every 5 years if the heat input is less than or equal to 5 MMBtu/hr, or 3) every 2 years if greater than 5 and less than 10 MMBtu/hr and does not have continuous oxygen trim, or 4) every year if equal to or greater than 10 MMBtu/hr and does not have continuous oxygen trim.	II.B.2.b.i. Boiler NESHAP Tune-up Procedure and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.3	40 CFR 63.7500(a)(3) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	At all times, Boeing Auburn must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to PSCAA that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.	II.A.2. O&M Plan Requirements II.B.2.a. External Combustion Visible Emission Monitoring II.B.2.b.i. Boiler NESHAP Tune-up Procedure and Recordkeeping II.B.2.b.ii. Boiler NESHAP Recordkeeping
I.B.2.4	40 CFR 63.7505(a) (10/6/22) 40 CFR 63.7500(f) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must comply with work practice standards at all times except periods noted in §63.7500(f).	II.A.2. O&M Plan Requirements
I.B.2.5	40 CFR 63.7540(a)(13) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.	No monitoring required
I.B.2.6	40 CFR 63.7545(f) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If Boeing Auburn intends to use a fuel other than natural gas to fire any boiler or process heater subject to Subpart DDDDD during a period of natural gas curtailment or supply interruption, Boeing Auburn must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption.	II.B.2.b.ii. Boiler NESHAP Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.7	40 CFR 63.7545(h) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If Boeing Auburn switches fuels or makes a physical change to any boiler or process heater and the fuel switch or physical change resulted in the applicability of a subcategory other than "unit designed to burn gas 1 subcategory," Boeing Auburn must provide notice of the date upon which it switched fuels or made the physical change within 30 days of the switch/change. The notification must identify the items in 40 CFR 63.7545(h)(1) - (3).	II.B.2.b.ii. Boiler NESHAP Recordkeeping V.Q.2.b.ii Notification of Fuel Switch or Physical Change
I.B.2.8	40 CFR 63.7550(a)-(c) (10/6/22) 40 CFR 63 Table 9 (11/20/15) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must submit compliance reports for each boiler or process heater subject to Subpart DDDDD.	V.Q.2.b.iv. Boiler NESHAP Notification & Reporting Requirements, Compliance Report
I.B.2.9	40 CFR 63.7555(h) (10/6/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For each unit designed to burn natural gas, that is subject to 40 CFR Part 63 Subpart DDDDD, and that uses an alternative fuel other than natural gas, Boeing Auburn must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.	II.B.2.b.ii. Boiler NESHAP Recordkeeping
NSPS Subpart Dc for Steam Generating Units Requirements I.B.2.10 through I.B.2.13 are the requirements for the Standards of Performance for New Stationary Sources for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60 Subpart Dc). These requirements apply only to Boilers Asset #6827, Asset #58127, Asset #58128, Asset #60202 and Asset #60203.			
I.B.2.10	40 CFR 60.40c(a) (2/16/12) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	NSPS Subpart Dc applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBtu/hr or less, but greater than or equal to 10 MMBtu/hr.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.11	40 CFR 60.48c(g)(1) (1/28/09) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Except as provided 40 CFR 60.48c(g)(2)&(3), Boeing Auburn shall record and maintain records of the amount of each fuel combusted during each operating day.	II.B.2.c. Boiler NSPS (40 CFR 60 Subpart Dc) Recordkeeping
I.B.2.12	40 CFR 60.48c(g)(2) (1/28/09) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Instead of following 40 CFR 60.48c(g)(1), Boeing Auburn may elect to record and maintain records of the amount of each fuel combusted during each calendar month rather than each operating day.	II.B.2.c. Boiler NSPS (40 CFR 60 Subpart Dc) Recordkeeping
I.B.2.13	40 CFR 60.48c(i) (1/28/09) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall maintain all records required under NSPS Subpart Dc for a period of two years following the date of such record. Note that AOP Section V.O.3 requires that this record be retained for five years.	II.A.3.b. Documentation on File
PSCAA Regulation I and Ecology General Requirements Requirements in this section are PSCAA requirements that apply to external combustion equipment.			
I.B.2.14	PSCAA Reg I: 9.03 (3/25/04)	Shall not emit air contaminants in excess of 20% opacity for more than 3 minutes per hour.	II.B.2.a. External Combustion Visible Emission Monitoring Reference Test Method: Ecology Method 9A

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.15	PSCAA Reg I: 9.08(a) (3/25/04) RCW 70.94.610 *(1991) State only*	It shall be unlawful for any person to cause or allow combustion of oil that exceeds any of the following limits unless allowed by a PSCAA NOCOA issued under Reg I, Article 6. All limits are the maximum allowed except flash point, which is the minimum allowed. • Ash 0.1% • Sulfur, used oil 1.0% • Sulfur, fuel oil 2.00% • Lead 100 ppm • Arsenic 5 ppm • Cadmium 2 ppm • Chromium 10 ppm • Total halogens 1,000 ppm • PCBs 2 ppm • Flash point 100 °F	No monitoring required
PSCAA NOCOA Requirements			
NOCOA 7271 conditions apply to the Asset #6827 boiler rated at 95 MMBtu/hr, equipped with low NOx burners, in Building 17-09.			
I.B.2.16	NOCOA 7271 Condition #1 (5/29/98)	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.	II.A.3.b. Documentation on File
I.B.2.17	NOCOA 7271 Condition #3 (5/29/98)	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.	II.B.2.a. External Combustion Visible Emission Monitoring Reference Test Method: EPA Method 9
I.B.2.18	NOCOA 7271 Condition #4 (5/29/98)	Boeing Auburn shall limit the fuel for the Riley Boiler (#4) to natural gas only.	II.A.3.a. Approval by the Puget Sound Clean Air Agency, via NOCOA
I.B.2.19	NOCOA 7271 Condition #5 (5/29/98)	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" .	II.B.2.c. Boiler NSPS (40 CFR 60 Dc) Recordkeeping II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.20	NOCOA 7271 Condition #6 (5/29/98)	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.	II.B.2.c. Boiler NSPS (40 CFR 60 Dc) Recordkeeping
NOCOA 5986 conditions apply to Asset #60202 and #60203 boilers in Building 17-66			
I.B.2.21	NOCOA 5986 Condition #1 (6/12/01)	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.	II.A.3.b. Documentation on File
I.B.2.22	NOCOA 5986 Condition #3 (6/12/01)	Boeing Auburn shall keep monthly records of the natural gas fuel use for the Cleaver Brooks CB 200-800 gas fired boilers. Boeing Auburn shall comply with all other applicable requirements as stated in 40 CFR 60 Subpart Dc.	II.B.2.c. Boiler NSPS (40 CFR 60 Dc) Recordkeeping
NOCOA 10497 conditions apply to two natural gas fired ovens (Asset #11075625 and #11075626) rated at 3 MMBtu/hr to support hybrid laminar flow control operations in Building 17-45.			
I.B.2.23	NOCOA 10497 Condition #1 (7/9/12)	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.	II.A.3.b. Documentation on File
I.B.2.24	NOCOA 10497 Condition #3 (7/9/12)	Each oven shall meet the applicable requirements of Subpart A and Subpart DDDDD of 40 CFR 63.	II.B.2.b. Boiler NESHAP Monitoring, Maintenance and Recordkeeping Methods
NOCOA 10730 conditions apply to the Asset #11116072 natural gas fired autoclave rated at 13 MMBtu/hr for composite airplane parts curing in Building 17-45			
I.B.2.25	NOCOA 10730 Condition #1 (5/19/14)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.2.26	NOCOA 10730 Condition #3 (5/19/14)	Resins processed in the autoclave shall not contain any styrene. Boeing Auburn shall keep records of each resin's material safety data sheets or other documentation provided by the manufacturer or supplier.	II.A.3.b. Documentation on File
I.B.2.27	NOCOA 10730 Condition #4 (5/19/14)	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. NOx: 30 ppmdv corrected to 3% O_2 as determined by EPA Method 7E b. CO: 400 ppmdv corrected to 3% O_2 as determined by EPA Method 10	II.C.4. NOx and CO Monitoring – NOCOA 10730 V.N.1.a. Emission Testing - General
I.B.2.28	NOCOA 10730 Condition #6 (5/19/14)	All VOC containing liquids 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 rages and paper must be collected and returned to closed containers after each use. .	II.A.1.d. Work Practice Inspection
NOCOA 12007 conditions apply to Asset #58127 and 58128 boilers rated at 12.6 MMBtu/hr in Building 17-62.			
I.B.2.29	NOCOA *12007* Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File
I.B.2.30	NOCOA *12007* Condition #3 (5/28/21)	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.	II.B.2.c. Boiler NSPS Recordkeeping

3. Abrasive Blasting, Cyclones, Baghouse, and Other Particulate Control Operations

This section includes all activities and equipment with particulate emissions controlled by cyclones, baghouses, and other control equipment. Activities and equipment with particulate control devices include shot peening and abrasive blasting operations on production parts, penetrant inspection, and machining of metal or nonmetal parts.

The table below does not necessarily include all activities and equipment that may be subject to the requirements of this section. Activities and equipment that have not received an NOCOA and were not previously registered with PSCAA may not be listed in the table. Activities and equipment listed in the table that were categorically exempt from NOCOA requirements under Regulation I, Section 6.03(c) are marked as "exempt" in the NOCOA column. Activities and equipment that were exempt from NOCOA requirements under Regulation I, Section 6.03(b) have the notification number listed in the NOCOA column. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	*Col/Dr*	*Control Equipment MSS/ID #*	*Order of Approval #*	*Date Installed*	*Control Equipment Description*	*Source Description*	*Exhausts to Outside Atmosphere*
17-06	*O/S Dr W30*	*58618*	*4192*	*1991*	*Baghouse, 7,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W25*	*12603*	*7177*	*1997*	*Cyclone and Baghouse, 8,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W25*	*12604*	*7177*	*1997*	*Cyclone and Baghouse, 8,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W25*	*14830*	*7950*	*2000*	*Baghouse, 8,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W25*	*14829*	*7949*	*2000*	*Baghouse, 8,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Col A24*	*20766*	*Exempt*	*2015*	*Cartridge filter, 9,500 CFM*	*Shot Peening*	*Yes*
17-06	*O/S Dr W28*	*14828*	*7948*	*2000*	*Baghouse, 8,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Col A14*	*20765*	*Exempt*	*2015*	*Cartridge filter, 9,500 CFM*	*Shot Peening*	*Yes*
17-06	*O/S Dr W31*	*58617*	*4192*	*1991*	*Baghouse, 11,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W31*	*58388*	*4192*	*1991*	*Baghouse, 11,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W31*	*58389*	*4192*	*1991*	*Baghouse, 11,000 CFM*	*Aluminum Milling*	*Yes*
17-06	*O/S Dr W31*	*61215*	*Reg.*	*1980*	*Cartridge filter, 5,000 CFM*	*Shot Peening*	*Yes*

Bldg.	Col/Dr	Control Equipment MSS/ID #	Order of Approval #	Date Installed	Control Equipment Description	Source Description	Exhausts to Outside Atmosphere
17-06	O/S Dr W37	12203	6742	1997	Mist Eliminator, 6,335 CFM	Application of Penetrant for Dye Penetrant Inspection	Yes
17-06	O/S A6; Dr W38	12181	Exempt	1997	Cartridge filter, 9,200 CFM	Application of Powder Developer for Dye Penetrant Inspection	Yes
17-06	O/S Dr W38	12183	6777	1998	Cartridge filter, 11,000 CFM	Shot Peening	Yes
17-06	O/S: NE corner	40710	Exempt	2008	Cartridge filter, 9,850 CFM	Shot Peening	Yes
17-06	O/S Dr E7	24952	Exempt	2014	Cartridge filter, 2,000 CFM	Shot Peening	Yes
17-06	O/S Dr E9	6132	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E9	6133	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E9	6134	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E9	6135	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	Mezz; S of Shredder / Briquetter	20897	Exempt	2018	Baghouse, 16,000 CFM	Aluminum Milling	Yes
17-06	Mezz; S of Shredder / Briquetter	20708	Exempt	2015	Baghouse, 16,000 CFM	Aluminum Milling	Yes
17-06	Mezz; S of Shredder / Briquetter	20684	Exempt	2015	Baghouse, 16,000 CFM	Aluminum Milling	Yes
17-06	O/S Mezz Shredder	17000	Exempt	2001	Baghouse, 13,800 CFM	Aluminum Milling	Yes
17-06	O/S Mezz Shredder	24946	Exempt	2014	Baghouse, 10,990 CFM	Aluminum Milling (backup to 17000)	Yes
17-06	O/S Dr E13	6127	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E13	6126	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes

Bldg.	Col/Dr	Control Equipment MSS/ID #	Order of Approval #	Date Installed	Control Equipment Description	Source Description	Exhausts to Outside Atmosphere
17-06	O/S Dr E13	6125	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E13	6123	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E13	6122	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E13	6121	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E13	6120	2004	1979	Baghouse, 13,571 CFM	Aluminum Milling	Yes
17-06	O/S Dr E14	9898	Registered	1979	Baghouse, 2,500 CFM	Aluminum Milling	Yes
17-06	O/S Dr E14	9899	Registered	1979	Baghouse, 2,500 CFM	Aluminum Milling	Yes
17-06	Col C23	4074	5092	1993	Wet Dust Collector, 7,000 CFM (To be replaced by unit permitted under NOCOA 12440)	Shot Peening	Yes
17-06	O/S Dr W27	TBD	12440	2024	Cartridge filter, 8,200 cfm	Shot Peening	Yes
17-07	O/S Dr S14	13713	7613	1999	Cartridge filter, 2,000 CFM	Application of Powder Developer for Dye Penetrant Inspection	Yes
17-07	OS/ Dr W18	13675	7635	1998	Cartridge filter, 7,500 CFM	Shot Peening	Yes
17-07	O/S; EE10	122344	Exempt	2021	Cartridge filter, 6,000 CFM	Shot Peening	Yes
17-07	O/S; EE11	122345	Exempt	2021	Cartridge filter, 6,000 CFM	Shot Peening	Yes
17-07	O/S Dr W19	11049906	Exempt	2009	Cartridge filter, 8,000 CFM	Shot Peening	Yes
17-07	O/S Dr W19	64253	4687	1993	Cartridge filter, 5,000 CFM	Shot Peening	Yes
17-07	O/S Dr W19	63461	4684	1992	Cartridge filter, 2,000 CFM	Shot Peening	Yes

Bldg.	Col/Dr	Control Equipment MSS/ID #	Order of Approval #	Date Installed	Control Equipment Description	Source Description	Exhausts to Outside Atmosphere
17-07	O/S Dr W19	63616	6719	1997	Cartridge filter, 8,000 CFM	Shot Peening	Yes
17-07	O/S; N	25350	Exempt	2013	Baghouse, 5,000 CFM	Metal Cutting	Yes
17-10	O/S Dr N5	64989	6115	1996	Baghouse, 7,000 CFM	Paper-based Composite Material Milling	Yes
17-10	BB-6	9545BH	Exempt	1971	Baghouse, 12,000 CFM	Abrasive Blast	No
17-10	O/S Dr E9	63614	Exempt	1996	Mist Eliminator, 2,450 CFM	Grinding	Yes
17-45	F-5	35682	552N	2008	Cartridge filter, 4,500 CFM	Fladder Sander Deburr	No
17-45	G-3	18338	577N	2008	Baghouse, 2,500 CFM	Fladder Sander	No
17-45	D-7	11097516	1054N	2015	Cartridge filter, 2,500 CFM	Fladder Deburr	No
17-45	O/S Col A7	21567	Exempt	2018	Cartridge filter, 4,000 CFM	Aluminum Milling	Yes
17-45	O/S Col A7	25414	Exempt	2016	Cartridge filter, 6,000 CFM	Aluminum Milling	Yes
17-45	O/S W side between Drs 59 & 60	19962	Exempt	2010	Baghouse, 6,000 CFM	Aluminum Deburr	Yes
17-45	Col A2; Mezz	55214	8029	1991	Wet particulate scrubber, 9,000 CFM	Salt Bath Paint Stripping	Yes
17-45	Col A2; Mezz	55215	8029	1991	Wet particulate scrubber, 9,000 CFM	Salt Bath Paint Stripping Rinse	Yes
17-45	O/S N side Between Drs 23 & 24	19925	Exempt	2010	Baghouse, 6,000 CFM	Polishing	Yes
17-45	Col G2; Mezz	55679	8029	1991	Cartridge filter, 15,000 CFM	Application of Powder Developer for Dye Penetrant Inspection	Yes
17-62	Col B1	58323	5985	1992	Wet particulate scrubber, 8,000 CFM	Salt Bath Dip Brazing	Yes

Bldg.	Col/Dr	Control Equipment MSS/ID #	Order of Approval #	Date Installed	Control Equipment Description	Source Description	Exhausts to Outside Atmosphere
17-66	O/S Dr S9	61877	7591	1998	Cartridge filter, 1,200 CFM	Quality Assurance Laboratory	Yes
17-68	Col B13	16511	3740	1991	Cartridge filter, 2,500 CFM	Paint Removal Using Plastic Media Blasting	Yes
17-68	O/S Door E7	8763	2876	1991	Baghouse, 31,000 CFM	Grinding and Other Machining	Yes

Table 6. Applicable Requirements – Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Operations

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.1	PSCAA Reg I: 9.03 (3/25/04)	Shall not emit air contaminants in excess of 20% opacity for more than 3 minutes per hour.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions Reference Test Method: Ecology Method 9A
I.B.3.2	PSCAA Reg I: 9.09 (4/9/98)	Shall not emit in excess of 0.05 gr/dscf from equipment used in a manufacturing process and general process units, uncorrected for excess air.	II.B.3. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions V.N.1. Emission Testing Reference Test Method: PSCAA Method 5
I.B.3.3	PSCAA Reg I: 9.20(a) & (b) (6/9/88) RCW 70.94.152(7) *1996 (State Only)*	Maintain equipment in good working order that has received an NOCOA.	II.A.2. O&M Plan Requirements II.B.3. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment
PSCAA NOCOA Requirements			
Order of Approval No. 2004 conditions apply to the aluminum milling operations with baghouses (Asset #6120, #6261, #6122, #6123, #6125, #6126, #6127, #6132, #6133, #6134, #6135) rated at 13,571 cfm in Bldg. 17-06.			
I.B.3.4	NOCOA 2004, Condition #1 (10/23/79)	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.	II.A.3.b. Documentation on File
Order of Approval No. 2876 conditions apply to the grinding and other machining operation with baghouse (Asset #8763) rated at 31,000 cfm in Bldg. 17-68			
I.B.3.5	NOCOA 2876, Condition #1 (2/25/87)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
Order of Approval No. 3740 conditions apply to the plastic media blast operation used for paint removal with cartridge dust collector (Asset #16511) rated at 2,500 cfm in Bldg. 17-68			
I.B.3.6	NOCOA 3740, Condition #1 (1/10/91)	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.	II.A.3.b. Documentation on File
Order of Approval No. 4192 conditions apply to the aluminum wing skin milling operations with three baghouses (Asset #58617, #58389, #58388) rated at 11,000 cfm and one baghouse (Asset #58618) rated at 7,000 cfm in Bldg. 17-06.			
I.B.3.7	NOCOA 3740, Condition #1 (11/14/91)	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.	II.A.3.b. Documentation on File
Order of Approval No. 4684 conditions apply to the vacublast shot peen system with cartridge dust collector (Asset #63461) rated at 2,000 cfm in Bldg. 17-07			
I.B.3.8	NOCOA 4684, Condition #1 (10/2/92)	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.	II.A.3.b. Documentation on File
Order of Approval No. 4687 conditions apply to the shot peen operation with cartridge dust collector (Asset #64253) rated at 5,000 cfm in Bldg. 17-07			
I.B.3.9	NOCOA 4687, Condition #1 (10/2/92)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
Order of Approval No. 5092 conditions apply to the shot peening operation with west dust collector (Asset #4074) rated at 7,000 cfm in Bldg. 17-06. This unit will be replaced with the unit permitted under NOCOA 12440			
I.B.3.10	NOCOA 5092, Condition #1 (8/17/93)	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.	II.A.3.b. Documentation on File
Order of Approval No. 5985 conditions apply to the salt bath dip brazing with wet particulate scrubber (Asset #58323) rated at 8,000 cfm in Bldg. 17-62			
I.B.3.11	NOCOA 5985, Condition #1 (6/5/95)	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.	II.A.3.b. Documentation on File
Order of Approval No. 6742 conditions apply to the penetrant application systems with a mist eliminator (Asset #12203) rated at 6,335 cfm in Bldg. 17-06			
I.B.3.12	NOCOA 6742, Condition #1 (3/4/97)	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.	II.A.3.b. Documentation on File
Order of Approval No. 6115 conditions that apply to the paper-based composite material milling operation with baghouse (Asset #64989 rated at 7,000 cfm in Bldg. 17-10			
I.B.3.13	NOCOA 6115, Condition #1 (6/29/99)	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.	II.A.3.b. Documentation on File
I.B.3.14	NOCOA 6115, Condition #3 (6/29/99)	A gauge to measure the pressure drop across the bags shall be maintained for the baghouse. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
Order of Approval No. 6719 conditions that apply to the shot peening operation with cartridge type dust collector (Asset #63616) rated at 8,000 cfm in Bldg. 17-07			
I.B.3.15	NOCOA 6719, Condition #1 (3/7/97)	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.	II.A.3.b. Documentation on File
I.B.3.16	NOCOA 6719, Condition #4 (3/7/97)	Boeing Auburn shall maintain a gauge to measure the pressure drop across the dust collector exhaust filters. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.17	NOCOA 6719, Condition #5 (3/7/97)	Opacity from the dust collector shall not exceed 5 percent. The reference test method for measuring opacity is EPA Method 9.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions
Order of Approval No. 6777 conditions apply to the shot peening operation with cartridge type dust collector (Asset #12183) rated at 11,000 cfm in Bldg. 17-06			
I.B.3.18	NOCOA 6777, Condition #1 (1/28/98)	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.	II.A.3.b. Documentation on File
I.B.3.19	NOCOA 6777, Condition #4 (1/28/98)	A gauge to measure the pressure drop across the bags will be installed and maintained for the baghouse. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.20	NOCOA 6777, Condition #5 (1/28/98)	Opacity from the dust collector shall not exceed 5 percent. The reference test method for measuring opacity is EPA Method 9.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
Order of Approval No. 7177 conditions apply to the aluminum milling operations with two cyclone separator and baghouses (Asset #12603 and 12604) in Bldg. 17-06			
I.B.3.21	NOCOA 7177, Condition #1 (10/28/97)	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.	II.A.3.b. Documentation on File
I.B.3.22	NOCOA 7177, Condition #3 (10/28/97)	Boeing Auburn shall maintain gauges to measure the pressure drop across the baghouse filters. The acceptable ranges for each gauge shall be clearly marked on or near the gauges.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.23	NOCOA 7177, Condition #4 (10/28/97)	Once each month that the dust collectors are used, Boeing Auburn shall determine and record if the pressure drop across the exhaust filters is in the acceptable range.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.24	NOCOA 7177, Condition #5 (10/28/97)	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.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
Order of Approval No. 7591 conditions that apply to the M$&D quality assurance laboratory with cartridge-type dust collector (Asset #61877) rated at 1,200 cfm in Bldg. 17-66			
I.B.3.25	NOCOA 7591, Condition #1 (11/24/98)	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.	II.A.3.b. Documentation on File
I.B.3.26	NOCOA 7591, Condition #3 (11/24/98)	Boeing Auburn shall maintain gauges to measure the pressure drop across the dust collector filters. The acceptable ranges for each gauge shall be clearly marked on or near the gauges.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.27	NOCOA 7591, Condition #4 (11/24/98)	Once each month, Boeing Auburn 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 Auburn shall take corrective action as specified in the operations and maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
Order of Approval No. 7613 conditions that apply to the application of powder developer for dye penetrant inspection with cartridge type dust collector (Asset #13713) rated at 2,000 cfm in Bldg. 17-07			
I.B.3.28	NOCOA 7613, Condition #1 (11/30/98)	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.	II.A.3.b. Documentation on File
I.B.3.29	NOCOA 7613, Condition #3 (11/30/98)	Boeing Auburn shall maintain gauges to measure the pressure drop across the dust collector filters. The acceptable ranges for each gauge shall be clearly marked on or near the gauges.	II.B.3. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment
I.B.3.30	NOCOA 7613, Condition #4 (11/30/98)	Once each month, Boeing Auburn 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 Auburn shall take corrective action as specified in the operations and maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
Order of Approval No. 7635 conditions that apply to the shot peening operation of aluminum and steel aerospace parts with cartridge-type dust collector (Asset #13675) rated at 7,500 cfm in Bldg. 17-07			
I.B.3.31	NOCOA 7635, Condition #1 (11/30/98)	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.	II.A.3.b. Documentation on File
I.B.3.32	NOCOA 7635, Condition #3 (11/30/98)	Boeing Auburn shall maintain gauges to measure the pressure drop across the dust collector filters. The acceptable ranges for each gauge shall be clearly marked on or near the gauges.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.33	NOCOA 7635, Condition #3 (11/30/98)	Once each month, Boeing Auburn 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 Auburn shall take corrective action as specified in the operations and maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
Order of Approval No. 7948 conditions that apply to the aluminum milling operations with baghouse (Asset #14828) rated at 8,000 cfm in Bldg. 17-06			
I.B.3.34	NOCOA 7948, Condition #1 (10/27/99)	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.	II.A.3.b. Documentation on File
I.B.3.35	NOCOA 7948, Condition #3 (10/27/99)	Boeing Auburn shall maintain a gauge to measure the pressure drop across the dust collector filters. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.36	NOCOA 7948, Condition #4 (10/27/99)	Once each month, Boeing Auburn 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, take corrective action as specified in the Operation and Maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.37	NOCOA 7948, Condition #5 (10/27/99)	Boeing Auburn shall follow the manufacturer's recommended Operation and Maintenance Plan to ensure that the guaranteed maximum emission rate of 0.005 grains/dscf is achieved.	II.A.3.b. Documentation on File
I.B.3.38	NOCOA 7948, Condition #6 (10/27/99)	Once each month, Boeing Auburn shall check to ensure that no visible emissions are present from the dust collector discharge stack.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions
Order of Approval No. 7949 conditions that apply to the aluminum milling operation with baghouse (Asset #14829) rated at 8,000 cfm in Bldg. 17-06			
I.B.3.39	NOCOA 7949, Condition #1 (10/27/99)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.40	NOCOA 7949, Condition #3 (10/27/99)	Boeing Auburn shall maintain a gauge to measure the pressure drop across the dust collector filters. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.41	NOCOA 7949, Condition #4 (10/27/99)	Once each month, Boeing Auburn 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, take corrective action as specified in the operations and maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.42	NOCOA 7949, Condition #5 (10/27/99)	Boeing Auburn shall follow the manufacturer's recommended Operation and Maintenance Plan to ensure that the guaranteed maximum emission rate of 0.005 grains/dscf is achieved.	II.A.3.b. Documentation on File
I.B.3.43	NOCOA 7949, Condition #6 (10/27/99)	Once each month, Boeing Auburn shall check to ensure that no visible emissions are present from the dust collector discharge stack.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions
Order of Approval No. 7950 conditions that apply to the aluminum milling operation with baghouse (Asset #14830) rated at 8,000 cfm in Bldg. 17-06			
I.B.3.44	NOCOA 7950, Condition #1 (10/27/99)	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.	II.A.3.b. Documentation on File
I.B.3.45	NOCOA 7950, Condition #3 (10/27/99)	Boeing Auburn shall maintain a gauge to measure the pressure drop across the dust collector filters. The acceptable range for the gauge shall be clearly marked on or near the gauge.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.46	NOCOA 7950, Condition #4 (10/27/99)	Once each month, Boeing Auburn 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, take corrective action as specified in the operations and maintenance plan.	II.A.2. O&M Plan Requirements II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.47	NOCOA 7950, Condition #5 (10/27/99)	Boeing shall follow the manufacturer's recommended Operation and Maintenance Plan to ensure that the guaranteed maximum emission rate of 0.005 grains/dscf is achieved.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.48	NOCOA 7950, Condition #6 (10/27/99)	Once each month, Boeing Auburn shall check to ensure that no visible emissions are present from the dust collector discharge stack.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions
NOCOA 8029 requirements apply to the two salt bath stripping operations each with a wet particulate scrubber (Asset #55214 and #55215) rated a 9,000 cfm and one application of powder developer for dye penetrant with a cartridge-type dust collector (Asset #55679) rated at 15,000 cfm in the Bldg. 17-45.			
I.B.3.49	NOCOA 8029 Condition #1 (11/19/07)	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.	II.A.3.b. Documentation on File
NOCOA 12440 requirements apply to the Donaldson-Torit Model DFE 2-12 dust collector rated at 8,200 cfm to collect particulate matter and inorganic toxic air pollutant emissions from shot peen operations located in Building 17-06.			
I.B.3.50	NOCOA 12440 Condition #1 (TBD)	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.	II.A.3.b. Documentation on File
I.B.3.51	NOCOA 12440 Condition #3 (TBD)	Emissions from the shot peening operations shall be vented through the dust collector.	II.A.1.c. Facility Inspections
I.B.3.52	NOCOA 12440 Condition #4 (TBD)	The dust collector shall be equipped with filters that meet a control efficiency of 99.9 percent or meet American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2. Minimum Efficiency Reporting Value (MERV) 15. Filtration efficiency information or MERV information shall be maintained to demonstrate compliance with the control efficiency requirement.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.3.53	NOCOA 12440 Condition #5 (TBD)	Boeing Auburn shall install and maintain pressure a gauge to measure the pressure drop across the dust collector 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 shot peening operation shall be temporarily ceased until the filters are replaced.	II.B.3.c. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Pressure Drop Monitoring
I.B.3.54	NOCOA 12440 Condition #6 (TBD)	There shall be no visible emissions from the dust collector or associated ductwork.	II.B.3.a. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment: Visible Emissions
I.B.3.55	NOCOA 12440 Condition #7 (TBD)	Boeing Auburn shall inspect the dust collector system at least once per month during periods of shot peening operations served by the controls. Inspections shall include a check of the exhaust for visible emissions, a check for fallout and a check of the pressure drop across the dust collector filters. If visible emissions, fallout, or pressure drop outside the range identified in Condition 5 are observed, shot peening operations shall be discontinued until appropriate corrective actions have been taken. If the shot peening operation served by the controls has no operations for the month, an inspection is not required for the control system.	II.A.2. O&M Plan Requirements II.B.3. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment
I.B.3.56	NOCOA 12440 Condition #8 (TBD)	Boeing Auburn shall keep records of the inspections and actions required by Condition 7 The records shall at least include the following, but not limited to: • The date of the observation; • The name or initials of the person who conducted the observation; • The results of the inspections including whether visible emissions or fallout were observed; • The pressure drop across the dust collector during the inspection; and • Corrective action conducted, if any, and the date and time it was conducted.	II.A.3.b. Documentation on File

4. Stationary Internal Combustion Engines

This section includes all stationary internal combustion engines that are affected sources subject to the NSPS in 40 CFR Part 60, Subpart IIII for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), and/or to the NESHAP in 40 CFR 63, Subpart ZZZZ for Stationary Reciprocating Internal Combustion Engines (RICE). At the time of permit issuance, all the engines included in this section and listed in the table below meet the definition of emergency stationary ICE in Subpart IIII and/or emergency stationary RICE in Subpart ZZZZ, and all are subject to Subpart ZZZZ.

It should be noted that the Subpart ZZZZ requirements that actually apply to some of the Subpart ZZZZ engines identified in the table are very limited and are summarized as follows:

1) For existing emergency engines greater than 500 bhp, no requirements of Subpart ZZZZ apply.
2) For new emergency engines greater than 500 bhp, only the initial notification requirements of 40 CFR 63.6645(f) apply.
3) For new emergency engines less than or equal to 500 bhp, the requirements of Subpart ZZZZ are met by meeting the requirements of Subpart IIII. No further requirements of Subpart ZZZZ apply.

The table below is for information only and does not necessarily include all units that may be subject to the requirements of this section. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	Col./Door	Asset #	NOCOA	Install Date	Source Description	40 CFR 60 Subpart IIII?	40 CFR 63 Subpart ZZZZ?
17-06	*DR-33*	*A0012137*	*Not Required*	*1997*	*Diesel-fired emergency generator, 603HP*	*No*	*Existing Emergency >500 HP*
17-07	*C-11 Outside*	*A0021575*	*Not Required*	*2018*	*Diesel-fired emergency generator, 761HP, 2018 model year*	*Yes*	*New Emergency >500 HP*
17-09	*Outside South*	*A0025344*	*Not Required*	*2013*	*Diesel-fired emergency generator, 755HP, 2012 model year*	*Yes*	*New Emergency >500 HP*
17-10	*K-4*	*A0063689*	*Not Required*	*1997*	*Diesel-fired emergency generator,335HP*	*No*	*Existing Emergency <=500 HP*
17-45	*F-0.8*	*A0017191*	*Not Required*	*2002*	*Diesel-fired emergency generator, 670HP*	*No*	*Existing Emergency >500 HP*
17-62	*G-2*	*A0017861*	*Not Required*	*2006*	*Diesel-fired emergency generator, 469HP*	*No*	*Existing Emergency <=500 HP*
17-66	*NE CNR*	*A0061220*	*Not Required*	*1992*	*Diesel-fired emergency generator, 670HP*	*No*	*Existing Emergency >500 HP*
17-68	*SW CNR*	*A0055293*	*Not Required*	*1990*	*Diesel-fired emergency generator, 670HP*	*No*	*Existing Emergency >500 HP*
17-71	*Inside*	*A0061239*	*Not Required*	*1993*	*Diesel-fired emergency generator, 1676HP*	*No*	*Existing Emergency >500 HP*
17-75	*North O/S*	*A0021505*	*Not Required*	*2018*	*Diesel-fired emergency generator, 324HP, 2017 model year*	*Yes*	*New Emergency <=500 HP*
17-79	*Inside*	*A008378*	*Not Required*	*1985*	*Diesel-fired emergency fire pump, 267HP*	*No*	*Existing Emergency <=500 HP*
17-79	*Inside*	*A008756*	*Not Required*	*1987*	*Diesel-fired emergency fire pump, 196HP*	*No*	*Existing Emergency <=500 HP*

Bldg.	Col./Door	Asset #	NOCOA	Install Date	Source Description	40 CFR 60 Subpart IIII?	40 CFR 63 Subpart ZZZZ?
17-88	*DR E4*	*A0021670*	*Not Required*	*2019*	*Diesel-fired emergency generator, 325HP, 2018 model year*	*Yes*	*New Emergency <=500 HP*

Table 7. Applicable Requirements – Stationary Internal Combustion Engines

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NESHAP Subpart ZZZZ for Stationary Internal Combustion Engines Requirements in this section are the applicable requirements from 40 CFR 63, Subpart ZZZZ			
I.B.4.1	40 CFR 63.6590(b)(1) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	The requirements of Subpart ZZZZ (including the provisions of Subpart A to 40 CFR 63 that are incorporated by reference into Subpart ZZZZ), except for the initial notification requirements of 40 CFR 63.6645(f), do not apply to new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP.	No monitoring required
I.B.4.2	63.6590(b)(3) (iii) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	The requirements of Subpart ZZZZ (including the provisions of Subpart A to 40 CFR 63 that are incorporated by reference into Subpart ZZZZ), and including initial notification requirements, do not apply to existing emergency stationary RICE with a site rating of more than 500 brake HP.	No monitoring required
I.B.4.3	40 CFR 63.6590(c)(6) ((8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP must meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart IIII, for CI engines. No further requirements apply for such engines under this part.	II.A.3.b. Documentation on File
I.B.4.4	40 CFR 63.6595(a)(3) &(a)(5) (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn shall comply with the applicable emission limitations and operating limitations in 40 CFR 63, Subpart ZZZZ upon startup of the affected source if Boeing Auburn: - Starts up a new or reconstructed non-emergency stationary RICE with a site rating of more than 500 brake HP after August 16, 2004, or - Starts up a new or reconstructed non-emergency stationary RICE with a site rating of less than or equal to 500 brake HP after January 18, 2008.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.5	40 CFR 63.6595(c) (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must meet the applicable notification requirements in 40 CFR 63.6645 and in 40 CFR 63, Subpart A.	V.Q.2.c. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Notification & Reporting Requirements
I.B.4.6	40 CFR 63.6602 (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For an existing stationary RICE with a site rating of equal to or less than 500 brake HP, Boeing Auburn must comply with the requirements in Table 2c to 40 CFR 63, Subpart ZZZZ.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.7	Table 2c to 40 CFR 63, Subpart ZZZZ (3/6/13) 40 CFR 63.6625(h) (1/30/13) 40 CFR 63.6640(a) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For existing stationary RICE with site rating ≤ 500 brake HP, during period of startup, Boeing Auburn must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. Boeing Auburn can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.8	Table 2c to 40 CFR 63, Subpart ZZZZ (4/1/13) 40 CFR 63.6640(a) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For existing emergency stationary CI RICE with site rating ≤ 500 brake HP, except during periods of startup, Boeing Auburn must: - Change oil and filter every 500 hours or annually, whichever comes first. Boeing Auburn has the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement. - Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; - Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. Boeing Auburn can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.9	40 CFR 63.6605(a) (4/1/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR 63, Subpart ZZZZ that apply at all times.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.10	40 CFR 63.6605(b) (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	At all times Boeing Auburn must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require Boeing Auburn to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.11	40 CFR 63.6625(e) (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must operate and maintain the existing emergency stationary RICE with a site rating of less than or equal to 500 HP and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.12	40 CFR 63.6625(f) (1/30/13) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must install a non-resettable hour meter if one is not already installed on the existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.13	Table 6 to NESHAP Subpart ZZZZ (1/30/13) 40 CFR 63.6640(a) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For existing emergency stationary RICE ≤500 HP, Boeing Auburn shall demonstrate continuous compliance by: - Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or - Developing and following a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.14	40 CFR 63.6640(f) (introductory language) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (f)(3). In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year is prohibited. If Boeing Auburn does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (f)(3), the engine may not be considered an emergency engine and must meet all requirements for non-emergency engines, as determined by the Agency.	II.B.4.a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping
I.B.4.15	40 CFR 63.6640(f)(1) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	There is no time limit on the use of emergency stationary RICE in emergency situations.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.16	40 CFR 63.6640(f)(2) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn may operate the emergency stationary RICE for the purposes specified in paragraph (i) as shown below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 63.6640(f)(3) counts as part of the 100 hours per calendar year allowed. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. Boeing Auburn may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if Boeing Auburn maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.	II.A.3.b. Documentation on File
I.B.4.17	40 CFR 63.6640(f)(3) (8/10/22) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 63.6640 (f)(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.18	40 CFR 63.6665 (3/3/10) PSCAA Reg III: 2.02 (4/23/15) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	New or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP do not need to comply with any of the requirements of the General Provisions specified in Table 8 or 40 CFR 63, Subpart A. Existing emergency stationary RICE with a site rating of more than 500 brake HP do not need to comply with any of the requirements of the General Provisions specified in Table 8 to 40 CFR 63 Subpart ZZZZ, or 40 CFR 63, Subpart A. New emergency stationary RICE with a site rating of more than 500 brake HP do not need to comply with the requirements in the General Provisions specified in Table 8 or 40 CFR 63, Subpart A except for the initial notification requirements.	No monitoring required
NSPS Subpart IIII for Stationary Compression Ignition Internal Combustion Engines Requirements in this section are the applicable requirements from 40 CFR 60, Subpart IIII			
I.B.4.19	40 CFR 60.4200(a)(2) & (3) (6/29/21) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	The provisions of 40 CFR Part 60 Subpart IIII are applicable to owners of stationary CI ICE that commence construction after July 11, 2005 where the stationary CI ICE are: manufactured after April 1, 2006 and are not fire pump engines, or manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006, or modified or reconstructed after July 11, 2005. For purposes of Subpart IIII, the date that the construction commences is the date the engine is ordered by the owner.	No monitoring required
I.B.4.20	40 CFR 60.4205(a) (6/29/21) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in Table 1 to NSPS, Subpart IIII.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.21	40 CFR 60.4205(b) (6/29/21) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.	II.A.3.b. Documentation on File
I.B.4.22	40 CFR 60.4205(c) (6/29/21) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in Table 4 to NSPS, Subpart IIII, for all pollutants.	II.A.3.b. Documentation on File
I.B.4.23	40 CFR 60.4207(b) (12/4/20) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel.	II.A.3.b. Documentation on File
I.B.4.24	40 CFR 60.4209(a) (6/28/11) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If an emergency stationary CI ICE does not meet the standards applicable to non-emergency engines, Boeing Auburn must install a non-resettable hour meter prior to startup of the engine.	No monitoring required
I.B.4.25	40 CFR 60.4211(a) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Except as permitted under 40 CFR 60.4211(g), Boeing Auburn shall: (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (2) Change only those emission-related settings that are permitted by the manufacturer; and (3) Meet the requirements of 40 CFR part 1068, as they apply to Boeing.	II.B.4.b. NSPS for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII) Monitoring, Maintenance and Recordkeeping

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.26	40 CFR 60.4211(b) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If Boeing Auburn is an owner or operator of a pre-2007 model year stationary CI internal combustion engine and must comply with the emission standards specified in 60.4205(a), or if Boeing Auburn is an owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), then Boeing Auburn must demonstrate compliance according to one of the methods specified in paragraphs (1) through (5) of 40 CFR 60.4211(b). (1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly. (3) Keeping records of engine manufacturer data indicating compliance with the standards. (4) Keeping records of control device vendor data indicating compliance with the standards. (5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.	II.A.3.b. Documentation on File
I.B.4.27	40 CFR 60.4211(c) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	For emergency generators subject to 40 CFR 60 Subpart IIII, Boeing Auburn must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b) or (c) as applicable. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitting in 40 CFR 60.4211(g).	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.28	40 CFR 60.4211(f) (introductory language) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn must operate the emergency stationary ICE according to the requirements in 40 CFR 60.4211 (f)(1) though (3). In order for the engine to be considered an emergency stationary ICE under NSPS Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 60.4211 (f)(1) though (3), is prohibited. If Boeing Auburn does not operate the engine according to the requirements in 40 CFR 60.4211 (f)(1) though (3), the engine may not be considered an emergency engine under NSPS, Subpart IIII and must meet all requirements for non-emergency engines, as determined by the Agency.	II.B.4.b. NSPS for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII) Monitoring, Maintenance and Recordkeeping
I.B.4.29	40 CFR 60.4211(f)(1) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	There is no time limit on the use of emergency stationary ICE in emergency situations.	No monitoring required

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.30	40 CFR 60.4211(f)(2) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Boeing Auburn may operate the emergency stationary ICE for the purposes specified in paragraph (i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4211(f)(3) counts as part of the 100 hours per calendar year allowed by 40 CFR 60.4211(f)(2). (i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. Boeing Auburn may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if Boeing Auburn maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.31	40 CFR 60.4211(f)(3) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or nonemergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator. (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region. (C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines. (D) The power is provided only to the facility itself or to support the local transmission and distribution system. (E) Boeing Auburn identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.4.32	40 CFR 60.4211(g) (8/10/22) PSCAA Reg I: 6.11 (9/26/02) *(State Only)* PSCAA Reg I: 3.25 (9/28/23)	If Boeing Auburn does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or Boeing Auburn changes emission-related settings in a way that is not permitted by the manufacturer, Boeing Auburn must demonstrate compliance according to 40 CFR 60.4211(g)(1), (g)(2) or (g)(3).	II.B.4.b. NSPS for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII) Monitoring, Maintenance and Recordkeeping
PSCAA Requirements			
I.B.4.33	PSCAA Reg I: 9.08(a) (3/25/04) RCW 70.94.610 *(1991) State only*	It shall be unlawful for any person to cause or allow combustion of oil that exceeds any of the following limits unless allowed by a PSCAA NOCOA issued under Reg I: 6.07. All limits are the maximum allowed except flash point, which is the minimum allowed. *(Note: In the 3/25/04 version of Reg. I, 9.08(a), the reference to Reg I: 6.07 is changed to Article 6.)*: • Ash 0.1% • Sulfur, used oil 1.0% • Sulfur, fuel oil 2.00% • Lead 100 ppm • Arsenic 5 ppm • Cadmium 2 ppm • Chromium 10 ppm • Total halogens 1,000 ppm • PCBs 2 ppm • Flash point 100 °F	II.A.3.c. Fuel Oil Purchase Specification II.A.3.d. Fuel Oil Sulfur Content Monitoring Procedure

5. Motor Vehicle Fueling Operations

This section consists of all activities and equipment associated with motor vehicle fueling operations, including fuel receiving, fuel storage, fuel dispensing and material and waste handling, that have specific applicable requirements other than the general requirements in Section I.A.

The table below does not necessarily include all equipment and activities that may be subject to the requirements of this section; equipment and activities that have not received an NOCOA or were not previously registered with PSCAA are not included in the table. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	*Col./Door*	*Asset #*	NOCOA #	*Install Date*	*Source Description*
17-64	*SE*	*9754*	*10338G*	*1989*	*Gasoline station with a 10,000 gal underground tank and stage 1 VRE*

Table 8. Applicable Requirements – Motor Vehicle Fueling Operations

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
General Requirements			
I.B.5.1	PSCAA Reg II: 2.07(a) *(7/26/12) (State Only)*	PSCAA Reg. II: 2.07 (7/26/12) applies to any facility that dispenses gasoline from a stationary storage tank with a rated capacity of more than 1000 gallons. The provisions of this rule do not apply to any Stage 1 or Stage 2 vapor recovery system that is not required by this rule. This rule does not require the installation of any In Station Diagnostic (ISD) system. This rule has an effective date of September 1, 2011.	II.B.5.a. Annual Gasoline Throughput Rate II.B.5.c. Gasoline Station Recordkeeping Requirements
Stage 1 Requirements			
I.B.5.2	PSCAA Reg II: 2.07(a)(1) (12/9/99)	PSCAA Reg. II: 2.07 applies to facilities that load gasoline into fuel tanks of motor vehicles, marine vessels, or aircraft directly from stationary storage tanks. Stage 1 vapor recovery system requirements shall apply to all gasoline storage tanks with a capacity greater than 1000 gallons that were installed after January 1, 1979 or are located at facilities with gasoline throughput greater than 200,000 gallons per calendar year.	II.A.3.b. Documentation on File II.B.5.a. Annual Gasoline Throughput Rate II.B.5.c. Gasoline Station Recordkeeping Requirements

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.5.3	PSCAA Reg II: 2.07(b) (12/9/99)	Boeing Auburn shall not cause or allow the transfer of gasoline from a transport tank into a stationary storage tank unless the tank is equipped with a submerged fill pipe and a Stage 1 vapor recovery system that is CARB certified and installed in accordance with system's certification requirements.	No monitoring required
I.B.5.4	PSCAA Reg II: 2.07(c)(1)(A) *7/26/12 (State Only)*	All gasoline dispensing facilities with current annual gasoline throughput greater than 200,000 gallons or with a gasoline storage tank installed after January 1, 1979 shall be equipped with a CARB-certified Stage 1 vapor recovery system.	II.A.3.b. Documentation on File II.B.5.a. Annual Gasoline Throughput Rate II.B.5.c. Gasoline Station Recordkeeping Requirements
I.B.5.5	PSCAA Reg II: 2.07(c)(1)(B) *7/26/12 (State Only)*	All gasoline dispensing facilities that install or replace a gasoline tank or Stage I vapor recovery system after April 1, 2001 shall be equipped with a CARB-certified EVR system. This includes installations that meet the definition of Stage I modification in PSCAA Reg. II, 2.07(b)(5) (7/26/12).	II.A.3.b. Documentation on File
I.B.5.6	PSCAA Reg II: 2.07(c)(1)(C) & (D) *7/26/12 (State Only)*	Any person installing a CARB-certified Stage 1 vapor recovery system must install the system in accordance with the CARB executive order in effect on the date of installation. Any person installing CARB-certified Stage 1 vapor recovery equipment shall be certified as required in PSCAA Reg. II, 2.07(f) (7/26/12).	II.A.3.b. Documentation on File
I.B.5.7	PSCAA Reg II: 2.07(c)(1)(E) *(7/26/12) (State Only)*	All gasoline dispensing facilities with dual-point Stage 1 vapor recovery systems shall be equipped with Stage 1 swivel adapters if the facility is required to be equipped with a Stage 2 vapor recovery system under PSCAA Reg. II, 2.07(c)(2) (7/26/12).	II.A.3.b. Documentation on File II.B.5.a. Annual Gasoline Throughput Rate
I.B.5.8	PSCAA Reg II: 2.07(d)(1) *(7/26/12) (State Only)*	All stage 1 vapor recovery systems shall be operated and maintained in accordance with the CARB executive order in effect on the date of installation.	II.A.2. O&M Plan Requirements
I.B.5.9	PSCAA Reg I: 9.20 (6/9/88) RCW 70.94.152(7) *1996 (State Only)*	Maintain Stage 1 equipment in good working order.	II.B.5.b. Gasoline Station Stage 1 Inspection Requirements II.A.2. O&M Plan Requirements

6. Storage Tanks

This section consists of all activities and equipment associated with storage tank operations (except for gasoline storage) that have been permitted under an NOCOA and/or have specific applicable requirements other than the general requirements in Section I.A.

The table below does not necessarily include all activities and equipment that may be subject to the requirements of this section; activities and equipment that have not received an NOCOA or were not previously registered with PSCAA are not included in the table. Data in italics are for information only and are not enforceable conditions of this permit.

Equipment Table

Bldg.	*Col./Door*	*Asset #*	***NOCOA** #*	*Install Date*	*Source Description*
17-09	*South of Bldg.*	*57664*	*2886*	*1966*	*430,000 gallon tank, aboveground, fuel oil*

Table 9. Applicable Requirements – Storage Tanks

Reqmt. No.	**Enforceable Requirement**	**Requirement Paraphrase** (For Information Only)	**Monitoring, Maintenance & Recordkeeping Method** (See Section II)
PSCAA and Washington Clea Air Act General Requirements			
I.B.6.1	PSCAA Reg I: 9.20(a) (6/9/88) RCW 70.94.152(7) *1996 (State Only)*	Maintain equipment in good working order that has received an NOCOA.	II.A.1.c. Facility Inspections II.B.6. Above Ground Fuel Storage Tank Maintenance

7. Wood Furniture Operations

This section consists of wood furniture manufacturing activities that have specific applicable requirements other than the general requirements in Section I.A, including activities subject to the requirements 40 CFR Part 63, Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations.

Table 10. Applicable Requirements – Wood Furniture Operations

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.7.1	40 CFR 63.800(a) (11/21/11) 40 CFR 63.801 (11/21/11) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23) (*State Only)*	The owner or operator of a source that meets the definition for an incidental wood furniture manufacturer shall maintain purchase or usage records demonstrating that the source meets the definition in §63.801 of this subpart, but the source shall not be subject to any other provisions of this subpart. *Incidental wood furniture manufacturer* as defined in 40 CFR 63.801 means a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components.	II.B.7. Wood Furniture Operations Monitoring, Maintenance and Recordkeeping Methods

8. RESERVED

9. Wastewater Pre-treatment Operations

This section includes all activities and equipment associated with the industrial wastewater pretreatment operations. The Auburn wastewater treatment plant is designed for removal of metals and oil only. Data in italics are for information only and are not enforceable conditions of this permit.

Equipment Table

Bldg.	*Col./Dr.*	*Asset #*	*NOCOA #*	*Install Date*	*Source Description*
17-15	*NA*	*NA*	*NA*	*1966*	*Wastewater Pre-treatment Operations*

Table 11. Applicable Requirements – Wastewater Treatment Operations

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.9.1	PSCAA Reg I: 9.20(b) (6/9/88)	Must maintain equipment not subject to PSCAA Reg. I, Section 9.20(a) in good working order.	II.A.1. Facility-Wide Monitoring II.A.2. O&M Plan Requirements

10. Chemical Process Tankline Operations

This section includes activities and equipment associated with chemical process tankline operations that have specific applicable requirements other than the general requirements in Section I.A. The table below includes activities and equipment that have received Orders of Approval or were registered with PSCAA. This table does not necessarily include all activities or equipment that may be subject to the requirements of this section; activities or equipment that have not received an NOCOA or were not previously registered with PSCAA are not included in the table. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	Col/Dr	Control Equipment Asset #	Order of Approval #	Date Installed	Control Equipment Description	Source Description
17-06	*Door W-36/W-37*	*12453*	*11232*	*1996*	*Packed bed scrubber, 35,000 CFM*	*Acid emissions from tank TNP-4*
17-06	*Door W-38*	*12174*	*6526*	*1996*	*Packed bed scrubber, 40,440 CFM*	*Acid emissions from tank TNA-14 (Deox Tank from aluminum anodizing tankline)*
17-07	*South of Bldg.*	*4224*	*7045*	*1997*	*Packed bed scrubber, 51,000 CFM*	*Alkaline emissions from tanks E-1, E-4, G-1, G-13, G-14, H-1, H-2, H-4, and H-5*
17-07	*South of Bldg.*	*4223*	*11312*	*1997*	*Packed bed scrubber, 41,000 CFM*	*Acid emissions from tanks E-7, E-13, G-4, G-7, G-8, G-9, H-7, and H-9*
17-07	*South of Bldg.*	*11624*	*7332*	*1998*	*Packed bed scrubber, 41,000 CFM*	*Acid and alkaline emissions from tanks J-3, J-6, J9, J-12, J-15, and J-17*
17-08	*South end*	*64252*	*10540*	*1994*	*Packed bed scrubber, 21,200 CFM*	*Acid and alkaline emissions from three tanklines used exclusively for R&D purposes*
17-45	*D/E1;Door 16*	*55146*	*8029*	*1991*	*Packed bed scrubber, 17,708 CFM*	*Alkaline emissions from tanks AA-0, AA-30, AA-32, and WT-12*
17-45	*D/E1;Door 16*	*55147*	*8029 & 11227*	*1991*	*Packed bed scrubber, 22,379 CFM*	*Acid emissions from tanks AA-3, AA-4, AA-7, AA-27, AA-24, and WT-13*
17-45	*E1;Door 16*	*55148*	*8029*	*1991*	*Packed bed scrubber, 27,400 CFM*	*Alkaline emissions from tanks AA-8, AA-12, AA-22, and AA-23*
17-45	*E1, Door 16*	*24567*	*8029*	*2007*	*Packed bed scrubber, 26,000 CFM*	*Acid emissions from tanks AA-13, AA-16, AA-18, and AA-19*
17-45	*G2.5; Door 31*	*60036*	*8029*	*1991*	*Packed bed scrubber, 57,200 CFM*	*Acid and Alkaline emissions from tanks CM-22, CM-24, and CM-26*
17-45	*G2; Door 31*	*60037*	*8029*	*1991*	*Packed bed scrubber, 44,000 CFM*	*Alkaline emissions from tanks CM-28, CM-30, WT-15, CM-1200, and CM-2000*

Bldg.	Col/Dr	Control Equipment Asset #	Order of Approval #	Date Installed	Control Equipment Description	Source Description
17-62	*O/S East*	*58010*	*12007*	*1992*	*Packed bed scrubber, 15,900 CFM*	*Acid emissions from tanks R-12 and R-15*
17-62	*O/S East*	*58015*	*12007*	*1992*	*Packed bed scrubber, 50,000 CFM*	*Tanks R-7, R-8A, and R-8B*
17-62	*O/S East; Door 20*	*17145*	*9133*	*2002*	*NO_2 scrubber connected to Asset #58015, 50,000 CFM*	
17-62	*O/S East; Door 20*	*17146*	*9133*	*2002*	*Former H_2S Scrubber connected to Asset #17145, 50,000 CFM*	
17-62	*O/S East*	*58036*	*12007*	*2015*	*Packed bed scrubber, 12,000 CFM*	*Acid emissions from tank N-5 and N-6A*
17-62	*O/S East*	*58038*	*12007*	*1992*	*Packed bed scrubber, 12,500 CFM*	*Acid emissions from tanks N-9 and N-11*
17-68	*A11*	*56584*	*11388*	*1991*	*Packed bed scrubber, 19,800 CFM*	*Acid emissions from tanks L-2, L-4, L-6, and L-7*
17-68	*A9.5*	*20515*	*10653*	*2014*	*Packed bed scrubber, 55,000 CFM*	*Acid emissions from tanks L-14A and L14B*
17-68	*A9.5*	*20516*	*10653*	*2014*	*NO_2 emissions from scrubber Asset #20515, 55,000 CFM*	
17-68	*A2*	*56585*	*11388*	*1991*	*Packed bed scrubber, 5,680 CFM*	*Acid emissions from tanks M-16, M-17, M18A, and M19*
17-68	*A3*	*56602*	*11388*	*1991*	*Packed bed scrubber, 28,580 CFM*	*Acid emissions from tanks M-6, M-11, M-13, M-21, M-23, M-24, and M-26*
17-68	*A2.5*	*56586*	*11388*	*1991*	*Packed bed scrubber, 37,500 CFM*	*Acid emissions from tanks M-8, M-9A, and M-10*
17-68	*A2*	*17376*	*9134*	*2002*	*NO_2 scrubber connected to Asset #56586, 43,000 CFM*	
17-68	*A2*	*17377*	*9134*	*2002*	*Former H_2S Scrubber connected to Asset #17376 43,000 CFM*	
17-68	*A2*	*4222*	*7264*	*1997*	*Packed bed scrubber, 22,000 CFM*	*Alkaline emissions from tanks M-1, M3, M5, and M14*

Table 12. Applicable Requirements – Chemical Process Tankline Operations

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.1	PSCAA Reg I: 9.20(a) (6/9/88) RCW 70.94.152(7) *1996 (State Only)*	Maintain equipment in good working order that has received an NOCOA.	II.A.1.c. Facility Inspections II.B.10. Chemical Process Tankline Operations Scrubber Inspection
I.B.10.2	PSCAA Reg I: 9.03 (3/25/04)	Shall not emit air contaminants in excess of 20% opacity for more than 3 minutes per hour	II.A.1.c. Facility Inspections Reference Test Method: Ecology Method 9A
I.B.10.3	PSCAA Reg I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 gr/dscf from equipment used in a manufacturing process and general process units, uncorrected for excess air	II.A.1.c. Facility Inspections V.N.1. Emission Testing Reference Test Method: PSCAA Method 5
NOCOA 6526 requirements apply to the vertical Scrubber (Asset #12174) rated at 40,440 cfm, for controlling acid fumes from the air pulled through the exhaust duct from Tank TNA-14 Deox Tank from an aluminum anodizing tankline located in Bldg 17-06.			
I.B.10.4	NOCOA 6526 Condition #1 (7/24/96)	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.	II.A.3.b. Documentation on File
I.B.10.5	NOCOA 6526 Condition #3 (7/24/96)	Maintain a gauge to measure the differential pressure across the scrubber. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
NOCOA 7264 requirements apply to the packed bed scrubber (Asset #4222) rated at 22,000 cfm for controlling alkaline emissions from process tanks M-1, M3, M5 and M14 in the Bldg. 17-68.			
I.B.10.6	NOCOA 7264 Condition #1 (11/25/97)	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.	II.A.3.b. Documentation on File
I.B.10.7	NOCOA 7264 Condition #3 (11/25/97)	Install and maintain a gauge to measure the differential pressure across the scrubber. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 7332 requirements apply to the packed bed scrubber (Asset #11624) rated at 41,000 cfm for controlling emissions from acid and alkaline process tanks (Tanks J-3, J-6, J9, J-12, J-15, and J-17) in Bldg. 17-07.			
I.B.10.8	NOCOA 7332 Condition #1 (4/14/98)	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.	II.A.3.b. Documentation on File
I.B.10.9	NOCOA 7332 Condition #3 (4/14/98)	Install and maintain a gauge to measure the differential pressure across the scrubber packing and a pH monitoring system on the wet scrubber. The acceptable range for the gauge shall be clearly marked on or nearby the differential pressure gauge and the pH monitoring system will be operational and will indicate if the scrubber is operating outside of the acceptable pH range.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
NOCOA 7045 requirements apply to the vertical Scrubber (Asset #4224) in Bldg 17-07 rated at 51,000 cfm for controlling alkaline mist vapors from alkaline process tanks (Tank E-1, E-4, G-1, G-13, G-14, H-1, H-2, H-4, and H-5).			
I.B.10.10	NOCOA 7045 Condition #1 (12/18/98)	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.	II.A.3.b. Documentation on File
I.B.10.11	NOCOA 7045 Condition #3 (12/18/98)	Maintain a gauge to measure the differential pressure across the scrubber. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 8029 requirements apply to alkaline emissions from tanks AA-0, AA-30, AA-32 and WT-12 controlled by a packed-bed scrubber (Asset # 55146) rated at 17,708 cfm; acid emissions from tanks AA-3 (as modified in accordance with NOCOA 11227), AA-4, AA-7, AA-27, AA-24, and WT-13 controlled by a packed-bed scrubber (Asset # 55147) rated at 22,379 cfm; alkaline emissions from tanks AA-8, AA-12, AA-22, and AA-23 controlled by a packed-bed scrubber (Asset # 55148) rated at 27,400 cfm; acid emissions from tanks AA-13, AA-16, AA-18, and AA-19 controlled by a packed-bed scrubber (Asset # 24567) rated at 26,000 cfm; acid and alkaline emissions from tanks CM-22, CM-24, and CM-26 controlled by a packed-bed scrubber (Asset # 60036) rated at 57,200 cfm; alkaline emissions from tanks CM-28, CM-30, WT-15, CM-1200, and CM-2000 controlled by a packed-bed scrubber (Asset # 60037) rated at 44,000 cfm. NOCOA 11227 requirements apply only to acid emissions from the tank AA-3 deoxidizing tank. All equipment is located in Bldg. 17-45.			
I.B.10.12	NOCOA 8029 Condition #1 (11/29/07)	Except for Tank AA-3, 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.	II.A.3.b. Documentation on File
I.B.10.13	NOCOA 11227 Condition #1 (9/20/16)	For Tank AA-3, 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.	II.A.3.a. Approval by PSCAA, via NOCOA II.A.3.b. Documentation on File
I.B.10.14	NOCOA 11227 Condition #3 (9/20/16)	Emissions from Tank AA3 in the"AA-tankline" shall be vented to the scrubber approved under NOCOA 8029, dated 11/19/07 or an equivalent scrubber.	II.A.1.c. Facility Inspections
I.B.10.15	NOCOA 8029 Condition #3 (11/29/07)	Boeing Auburn shall maintain gauges to measure the pressure drop across the filter media of each scrubber controlling the "AA-tankline" and the "chemical milling tankline". 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.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.16	NOCOA 8029 Condition #4 (11/29/07)	Once each week, Boeing Auburn shall record the pressure drop across each scrubber controlling the "A-tankline" and the "chemical milling tankline". If the pressure drop is not within the acceptable range, Boeing Auburn shall take corrective action as specified in the facility's O&M Plan.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring II.A.2. O&M Plan Requirements

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.17	NOCOA 8029 Condition #5 (11/29/07)	Boeing Auburn shall maintain gauges to measure the pH of the scrubbing liquor on each scrubber 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.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring
I.B.10.18	NOCOA 8029 Condition #6 (11/29/07)	Once each week, Boeing Auburn shall record the pH of the scrubbing liquor on each scrubber controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". If not within acceptable range, Boeing Auburn shall take corrective action as specified in the O&M Plan.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring
I.B.10.19	NOCOA 8029 Condition #7 (11/29/07)	Boeing Auburn shall maintain gauges to measure either the water flow rate or the water pressure at the water headers on each scrubber the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". The acceptable range for the gauge shall be clearly identified on or near the gauge or in the records of the water flow rate or water pressure.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring
I.B.10.20	NOCOA 8029 Condition #8 (11/29/07)	Once each week, Boeing Auburn shall record the water flow rate or the water pressure at the water headers in each scrubber controlling the "chemical milling tankline" and scrubber No. 4 on the "AA-tankline". If not within acceptable range, Boeing Auburn shall take corrective action as specified in the O&M Plan.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring
I.B.10.21	NOCOA 8029 Condition #9 (11/29/07)	Boeing Auburn 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 inspections shall include the following: • Check nozzles for pluggage and even flow patterns; • Check for leaks; and • Check for visible emissions. If any nozzles are malfunctions, or if any leaks or visible emissions are noted during such inspections, Boeing Auburn shall take corrective action as specified in the O&M Plan.	II.B.10.d. Chemical Process Tankline Operations Scrubber Inspection: Nozzle Inspection II.B.10.f. Chemical Process Tankline Operations Scrubber Inspection: Leaks and Visible Emission Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 10540 requirements apply to the A-20 chemical process tank for R&D chrome plating located in Bldg. 17-08 with tank ventilation stream routed to a packed bed scrubber (Asset #64252).			
I.B.10.22	NOCOA 10540 Condition #1 (10/25/12)	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.	II.A.3.b. Documentation on File
I.B.10.23	NOCOA 10540 Condition #3 (10/25/12)	The tanklines shall be used only for R&D purposes.	II.A.1.c. Facility Inspections
I.B.10.24	NOCOA 10540 Condition #4 (10/25/12)	Air exhaust from all actively ventilated tanks in the tanklines shall be vented to scrubber Asset #64252. Scrubber Asset #64252 shall be operated any time a tankline is in use.	II.A.1.c. Facility Inspections
I.B.10.25	NOCOA 10540 Condition #5 (10/25/12)	Boeing Auburn shall not operate more than 6 tanks at any one time on each of the tanklines	II.C.7 Tank and Scrubber Monitoring Requirements – NOC 10540
I.B.10.26	NOCOA 10540 Condition #6 (10/25/12)	Whenever tank A18 or A20 on the 80 gallon tankline is used for chromium plating, the tank surface shall be covered with polyballs and the tank shall contain a fume suppressant which limits surface tension to 45 dynes/cm or less (using a stalagmometer) or 35 dynes /cm or less (using a tensiometer).	II.C.7 Tank and Scrubber Monitoring Requirements – NOC 10540
I.B.10.27	NOCOA 10540 Condition #7 (10/25/12)	Tank A18 and A20 shall remain covered when not in use	II.C.7 Tank and Scrubber Monitoring Requirements – NOC 10540
I.B.10.28	NOCOA 10540 Condition #8 (10/25/12)	Whenever tank A18 or A20 is used for chromium plating, Boeing shall check and record the surface tension of the tank at least monthly	II.C.7 Tank and Scrubber Monitoring Requirements – NOC 10540
I.B.10.29	NOCOA 10540 Condition #9 (10/25/12)	Scrubber Asset #64252 shall be equipped with a pressure drop monitor or gauge and a pH monitor or gauge. The acceptable ranges shall be clearly marked on or nearby the gauges.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.30	NOCOA 10540 Condition #10 (10/25/12)	The pH of the scrubber shall be maintained between 4 and 10.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.31	NOCOA 10540 Condition #11 (10/25/12)	Boeing Auburn shall read and record the pressure drop to verify that it is maintained within the acceptable ranges at least monthly.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.32	NOCOA 10540 Condition #12 (10/25/12)	Boeing Auburn shall read and record the scrubber pH and check the scrubber nozzles for pluggage and even flow patterns at least quarterly.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.d. Chemical Process Tankline Operations Scrubber Inspection: Nozzle Inspection
I.B.10.33	NOCOA 10540 Condition #13 (10/25/12)	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.	V.N.1. Emission Testing
NOCOA 10653 requirements apply to the hard metals etching tank and associated rinse tank (Tanks L-14A and L-14B) with acid emissions controlled by one packed bed scrubber (Asset #20515) rated at 55,000 cfm followed by a NOx scrubber (Asset #20516) rated at 55,000 cfm in Bldg. 17-68.			
I.B.10.34	NOCOA 10653 Condition #1 (10/11/13)	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.	II.A.3.b. Documentation on File
I.B.10.35	NOCOA 10653 Condition #3 (10/11/13)	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.	II.A.1.c. Facility Inspections
I.B.10.36	NOCOA 10653 Condition #4 (10/11/13)	Tank L-14A/B shall be covered when not in use.	II.A.1.c. Facility Inspections
I.B.10.37	NOCOA 10653 Condition #5 (10/11/13)	Boeing Auburn shall install and maintain gauges to measure pH, pressure differential across each scrubber, and flow rate. Gauges shall be calibrated in accordance with manufacturer's recommendations.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.38	NOCOA 10653 Condition #6 (10/11/13)	Boeing Auburn shall operate the scrubber system in accordance with manufacturer's recommended acceptable ranges or good engineering practices for pH, pressure differential across scrubbers and liquid flow rate. The acceptable range for pressure drop, liquid flow rate and pH shall be clearly marked on or near the respective gauges.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.39	NOCOA 10653 Condition #7 (10/11/13)	At least once per month when the scrubber is operational, Boeing Auburn shall read and record the pH, the pressure differential across the scrubber and the liquid flow rate. If any parameter is out of the acceptable range, Boeing Auburn shall take corrective action as specified in the facility's O&M Plan and make record of the corrective action taken.	II.A.2. O&M Plan Requirements II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.40	NOCOA 10653 Condition #8 (10/11/13)	Boeing Auburn shall inspect the ductwork and the acid scrubber for evidence of leak and corrosion as specified in the facility O&M Plan and make record of any corrective action taken.	II.A.2. O&M Plan Requirements
NOCOA 11232 requirements apply to Viron VVS Packed Bed Fume Scrubber (Asset #12453) rated at 35,000 cfm controlling acid emissions from Tank TNP-4 in Bldg. 17-06.			
I.B.10.41	NOCOA 11232 Condition #1 (10/3/16)	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.	II.A.3.b. Documentation on File
I.B.10.42	NOCOA 11232 Condition #3 (10/3/16)	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.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 11388 requirements below apply to the packed bed scrubber (Asset #56584) rated at 19,800 cfm for controlling acid emissions from tanks L-2, L-4, L-6 and L-7 in Bldg. 17-68.			
I.B.10.43	NOCOA 11388 Condition #1 (9/20/17)	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.	II.A.3.b. Documentation on File
I.B.10.44	NOCOA 11388 Condition #8 (9/20/17)	Boeing Auburn's facility O&M Plan must address procedures for determining when the scrubber is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, the plan shall include a requirement for scrubber static pressure differential readings and liquid pH which indicates proper operation.	II.A.2. O&M Plan Requirements II.B.10. Chemical Process Tankline Operations Scrubber Inspection
NOCOA 12007 and NOCOA 9133 requirements below apply to Tanks R-7, R-8A, and R-8B with acid emissions controlled by one packed bed scrubber (Asset #58015) rated at 50,000 cfm and one nitrogen dioxide scrubber (Asset #17145) rated at 50,000 cfm. A second identical nitrogen dioxide scrubber (Asset #17146) can be used as an alternative nitrogen dioxide scrubber. Requirements for the acid scrubber (Asset #58015) are included in NOCOA 12007 and requirements for the nitrogen dioxide scrubbers are included in NOCOA 9133. All equipment is in Bldg. 17-62.			
I.B.10.45	NOCOA 12007 Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File
I.B.10.46	NOCOA 9133 Condition #1 (12/29/04)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.47	NOCOA 9133 Condition #3 (12/29/04)	Install and maintain gauges at the NO2 scrubber to measure pH, pressure differential across the packed beds, and liquid flow rate. The acceptable ranges for the gauges shall be clearly marked on or nearby the respective gauges.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.48	NOCOA 9133 Condition #4 (12/29/04)	Once each month during which the NO2 scrubber is operational, Boeing Auburn shall record the pH, pressure differential across the packed beds, and liquid flow rate for the NO2 scrubber. If the above parameters are not within the acceptable range, Boeing Auburn shall take corrective action as specified in the O&M Plan and make record of the corrective action taken.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
NOCOA 12007 requirements below apply to the packed bed wet scrubber (Asset #58036) with flow rate of 12,000 cfm controlling acid mist vapors from process tanks N-5 and N-6A located in Bldg. 17-62.			
I.B.10.49	NOCOA 12007 Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File
I.B.10.50	NOCOA 12007 Condition #4 (5/28/21)	Emissions from the deoxidizing tank (N5) and the associate rinse tank (N6a) shall be controlled by a packed bed wet scrubber (Viron)	II.A.1.c. Facility Inspections
I.B.10.51	NOCOA 12007 Condition #5 (5/28/21)	Boeing Auburn shall install and maintain gauges at the packed bed scrubber to measure the pressure differential across the packed bed. The acceptable range for the gauge shall be clearly marked on or nearby the gauge. 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, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation, correct the pressure drop, or shut down the unit or activity until it can be repaired or correct.	II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.52	NOCOA 12007 Condition #6 (5/28/21)	Once each calendar quarter, Boeing Auburn shall inspect the nozzles for pluggage and uneven flow patterns. If sufficient plugged nozzles or uneven flow patterns are observed, Boeing Auburn shall, as soon as practicable but within 24 hours of initial observation, correct the problem or shut down the unit or activity until it can be repaired.	II.B.10.d. Chemical Process Tankline Operations Scrubber Inspection: Nozzle Inspection
I.B.10.53	NOCOA 12007 Condition #7 (5/28/21)	At least once each calendar quarter, Boeing Auburn shall 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, Boeing Auburn shall, as soon as practicable but within 24 hours of initial observation, correct the problem or shut down the unit or activity until it can be repaired.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring
NOCOA 12007 requirements below apply to the following equipment/activities originally authorized under NOCOA #3842: One packed bed scrubber (Asset #58010) rated at 15,900 cfm for controlling acid emissions from tanks R-12 and R-15, one packed bed scrubber (Asset #58038) rated at 12,500 cfm for controlling acid emissions from tanks N-9 and N-11. Equipment is located in Bldg. 17-62.			
I.B.10.54	NOCOA 12007 Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File
NOCOA 11312 requirements apply to Viron VVS-96120 Vertical Wet Scrubber (Asset #4223) rated at 41,000 cfm controlling acid emissions from process tanks (Tanks E-7, E-13, G-4, G-7, G-8, G-9, H-7, and H-9) located in Bldg. 17-07.			
I.B.10.55	NOCOA 11312 Condition #1 (5/28/21)	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.	II.A.3.b. Documentation on File
I.B.10.56	NOCOA 11312 Condition #3 (5/28/21)	Emissions from Tank H7 in the "17-07 H-line" shall be vented to the Viron VVS-96120 wet scrubber 3 (Asset #4223).	II.A.1.c. Facility Inspections

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.57	NOCOA 11312 Condition #4 (5/28/21)	Boeing Auburn shall implement the following management practices for Tank H7: -Tank H7 shall not be heated. -Minimize spill or overflow of the tank, as practicable -Perform monthly inspection of the tanks to identify leaks, if any.	II.A.1.c. Facility Inspections II.B.10.f. Chemical Process Tankline Operations Scrubber Inspection: Leaks and Visible Emission Monitoring
I.B.10.58	NOCOA 11312 Condition #5 (5/28/21)	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. Boeing Auburn shall record pressure drop once per operating month with a visual inspection of the pressure differential. Based on the observation. Boeing Auburn shall ensure the acceptable ranges for the gauge are still correct and readjust if necessary. Boeing Auburn shall ensure the appropriate liquid pH is maintained with the scrubber that adequately controls emissions from Tank H7.	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.59	NOCOA 11312 Condition #6 (5/28/21)	The facility O&M Plan must address procedures for determining when the scrubber is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, the plan shall include a requirement for scrubber static pressure differential readings which indicates proper operation.	II.A.2. O&M Plan Requirements
NOCOA 11388 and NOCOA 9134 requirements below apply to Tanks M-8, M-9A and M-10 with acid emissions controlled by one packed bed scrubber (Asset #56586) rated at 37,500 cfm and one nitrogen dioxide scrubber (Asset #17376) rated at 43,000 cfm. A second identical nitrogen dioxide scrubber (Asset #56586) can be used as an alternative nitrogen dioxide scrubber. Requirements for the acid scrubber (Asset #56586) are included in NOCOA 11388 and requirements for the nitrogen dioxide scrubbers are included in NOCOA 9134. All equipment is in Bldg. 17-68.			
I.B.10.60	NOCOA 11388 Condition #1 (9/20/17)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.61	NOCOA 11388 Condition #8 (9/20/17)	Boeing Auburn's facility O&M Plan must address procedures for determining when the scrubber is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, the plan shall include a requirement for scrubber static pressure differential readings and liquid pH which indicates proper operation.	II.A.2. O&M Plan Requirements II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.62	NOCOA 9134 Condition #1 (12/29/04)	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.	II.A.3.b. Documentation on File
I.B.10.63	NOCOA 9134 Condition #3 (12/29/04)	Boeing Auburn shall maintain gauges at the NO2 scrubbers to measure the pH, pressure differential across the packed beds, and liquid flow rate. The acceptable ranges for each parameter shall be clearly marked on or near the respective gauges.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.64	NOCOA 9134 Condition #4 (12/29/04)	Once each month during which the NO2 scrubber is operations, Boeing Auburn shall record the pH, pressure differential across the packed beds, and liquid flow rate for the NO2 scrubber. If the parameters are not within the acceptable range, Boeing Auburn shall take corrective action as specified in the facility O&M Plan and make a record of the corrective action.	II.B.10.b. Chemical Process Tankline Operations Scrubber Inspection: Flowrate Monitoring II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
NOCOA 11388 requirements below apply to the acid emissions from Tanks M-16, M-17, M-18A and M-19 controlled by a packed bed scrubber (Asset #56585) rated at 5,680 in Bldg. 17-68.			
I.B.10.65	NOCOA 11388 Condition #1 (9/20/17)	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.	II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.66	NOCOA 11388 Condition #4 (9/20/17)	Emissions from Tank M-19 in building 17-68 shall be vented to the SH-3 (Asset #A0056585) wet scrubber.	II.A.1.c. Facility Inspections
I.B.10.67	NOCOA 11388 Condition #5 (9/20/17)	Tank M-19 shall only contain Dipsol IZ-264. Boeing Auburn 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.	II.A.3.a. Approval by PSCAA, via NOCOA II.A.3.b. Documentation on File
I.B.10.68	NOCOA 11388 Condition #6 (9/20/17)	Boeing Auburn shall implement the following management practices for Tank M-19: a. M-19 shall not be heated. b. Minimize spill or overflow of the tanks, 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.	II.A.1.c. Facility Inspections II.B.10.f. Chemical Process Tankline Operations Scrubber Inspection: Leaks and Visible Emission Monitoring
I.B.10.69	NOCOA 11388 Condition #7 (9/20/17)	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. If Boeing Auburn determines acceptable ranges must be updated, notify agency in writing or e-mail	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring
I.B.10.70	NOCOA 11388 Condition #8 (9/20/17)	The facility O&M Plan must address procedures for determining when the scrubber is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, the plan shall include a requirement for scrubber static pressure differential readings and liquid pH which indicates proper operation.	II.A.2. O&M Plan Requirements

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 11388 requirements apply to the acid emissions from Tanks M-6, M-11, M-13, M-21, M-23, M-24 and M-26 controlled by a packed bed scrubber (Asset #56602) rated at 28,580 cfm in Bldg. 17-68.			
I.B.10.71	NOCOA 11388 Condition #1 (9/20/17)	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.	II.A.3.b. Documentation on File
I.B.10.72	NOCOA 11388 Condition #3 (9/20/17)	Emissions from Tank M-11 in building 17-68 shall be vented to the SH-1 (Asset #A0056602) wet scrubber.	II.A.1.c. Facility Inspections
I.B.10.73	NOCOA 11388 Condition #5 (9/20/17)	Tank M-11 shall only contain solutions with a maximum nitric acid content of 67%. Boeing Auburn 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.	II.A.3.a. Approval by PSCAA, via NOCOA II.A.3.b. Documentation on File
I.B.10.74	NOCOA 11388 Condition #6 (9/20/17)	Boeing Auburn shall implement the following management practices for Tank M-11: a. b. Minimize spill or overflow of the tanks, 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.	II.A.1.c. Facility Inspections II.B.10.f. Chemical Process Tankline Operations Scrubber Inspection: Leaks and Visible Emission Monitoring
I.B.10.75	NOCOA 11388 Condition #7 (9/20/17)	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. If Boeing Auburn determines acceptable ranges must be updated, notify agency in writing or e-mail	II.B.10.c. Chemical Process Tankline Operations Scrubber Inspection: pH Monitoring II.B.10.e. Chemical Process Tankline Operations Scrubber Inspection: Differential Pressure Monitoring

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.10.76	NOCOA 11388 Condition #8 (9/20/17)	The facility O&M Plan must address procedures for determining when the scrubber is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, the plan shall include a requirement for scrubber static pressure differential readings and liquid pH which indicates proper operation.	II.A.2. O&M Plan Requirements

11. RESERVED

12. Thermal Cutting and Laser Ablation Operations

This section includes activities and equipment associated with thermal cutting and laser ablation operations that have specific applicable requirements other than the general requirements in Section I.A. The table below includes activities and equipment that have received Orders of Approval or were registered with PSCAA. This table does not necessarily include all activities or equipment that may be subject to the requirements of this section; activities or equipment that have not received an NOCOA or were not previously registered with PSCAA are not included in the table. Data in italics are for information only and are not enforceable conditions of this permit.

Bldg.	*Col/Dr*	*Control Equipment Asset #*	*Order of Approval #*	*Date Installed*	*Control Equipment Description*	*Source Description*
17-13	*O/S NE Corner*	*25010*	*10014*	*2009*	*Cartridge filter dust collector with microfiber filters followed by HEPA filters rated at 3,000 CFM. Direct exhaust to outside of the building.*	*Plasma arc cutting operations on downdraft table used to cut scrap metal parts*
17-68	*Col C5*	*11-097286*	*11633*	*2019*	*Cartridge filter dust collector with HEPA filter rated at 5,000 CFM. Direct exhaust to inside of the building.*	*One fully-enclosed laser cutting system used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys.*
17-68	*Col C4*	*11-117740*	*11453*	*2018*	*Cartridge filter dust collector with HEPA filters rated at 5,000 CFM. Direct exhaust to inside of the building.*	*One fully enclosed laser cutting system, used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys*
17-06	*O/S Door N*	*24120*	*11567*	*2020*	*Cartridge filter dust collector system with MERV 14 rated filter followed in series by HEPA filter rated at 10,000 CFM. Direct exhaust to outside of the building.*	*One fully enclosed laser ablation system used to remove paints from aerospace parts.*
17-07	*O/S Door N1*	*11202636*	*12327*	*2023*	*Cartridge filter dust collector with HEPA filtration system rated at 3,000 CFM. Direct exhaust to outside of the building.*	*One model laser cutting system used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys.*

Table 13. Applicable Requirements – Laser Thermal and Laser Ablation Operations

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.12.1	PSCAA Reg I: 9.20(a) (6/9/88) RCW 70.94.152(7) *1996 (State Only)*	Maintain equipment in good working order that has received an NOCOA.	II.A.1.c. Facility Inspections
I.B.12.2	PSCAA Reg I: 9.03 (3/25/04)	Shall not emit air contaminants in excess of 20% opacity for more than 3 minutes per hour	II.A.1.c. Facility Inspections Reference Test Method: Ecology Method 9A
I.B.12.3	PSCAA Reg I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 gr/dscf from equipment used in a manufacturing process and general process units, uncorrected for excess air	II.A.1.c. Facility Inspections V.N.1. Emission Testing Reference Test Method: PSCAA Method 5
NOCOA 10014 conditions that apply to the plasma arc cutting operation on a downdraft table used to cut scrap metal parts outside of Bldg. 17-13 controlled by a dust collector (Asset #25010) rated at 3,000 cfm with microfiber filters followed by HEPA filters..			
I.B.12.4	NOCOA 10014 Condition #1 (4/28/09)	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.	II.A.3.b. Documentation on File
I.B.12.5	NOCOA 10014 Condition #3 (4/28/09)	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.	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File
I.B.12.6	NOCOA 10014 Condition #4 (4/28/09)	Parts being cut with the plasma cutter will be placed on the downdraft table.	II.A.1.c. Facility Inspections
I.B.12.7	NOCOA 10014 Condition #5 (4/28/09)	There shall be no visible emissions from the plasma cutting operation.	II.A.1.c. Facility Inspections II.B.12.b. Thermal Cutting and Laser Ablation Operations – Visible Emission Monitoring Procedure – Thermal Cutting
I.B.12.8	NOCOA 10014 Condition #6 (4/28/09)	The dust collector shall be equipped with cartridge filters having a MERV rating of 15 or higher followed by HEPA filters.	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File
I.B.12.9	NOCOA 10014 Condition #7 (4/28/09)	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.	II.A.2. O&M Plan Requirements II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 11453 conditions that apply to the TLM-610 model laser cutting system located inside Bldg. 17-68. The system is completely enclosed and vented to 5,000 cfm Farr GS10 HEPA filter dust collector (Asset #11-117740).			
I.B.12.10	NOCOA 11453 Condition #1 (10/12/17)	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.	II.A.3.b. Documentation on File
I.B.12.11	NOCOA 11453 Condition #3 (10/12/17)	Emissions from the 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	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File
I.B.12.12	NOCOA 11453 Condition #4 (10/12/17)	There shall be no visible emissions from the laser cutting operation outside the building.	II.B.12.b. Thermal Cutting and Laser Ablation Operations – Visible Emission Monitoring Procedure – Thermal Cutting
I.B.12.13	NOCOA 11453 Condition #5 (10/12/17)	Boeing Auburn 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 means 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.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.14	NOCOA 11453 Condition #6 (10/12/17)	Boeing Auburn 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.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.15	NOCOA 11453 Condition #7 (10/12/17)	Boeing Auburn shall include in their facility O&M Plan procedures for determining when the dust collector is operating properly, and the corrective actions that 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).	II.A.2. O&M Plan Requirements

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.12.16	NOCOA 11453 Condition #8 (10/12/17)	Boeing Auburn 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	II. B.12.c. Thermal Cutting and Laser Ablation Operations – Recordkeeping Procedure – Thermal Cutting and Laser Ablation Operations
NOCOA 11567 conditions that apply to the 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 (Asset #24120) equipped with a MERV 14 rated filter followed in series by a HEPA filter.			
I.B.12.17	NOCOA 11567 Condition #1 (10/04/18)	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.	II.A.3.b. Documentation on File
I.B.12.18	NOCOA 11567 Condition #3 (10/04/18)	Laser ablation system shall be completely enclosed, and all emissions must be routed to a dust collection system while operating.	II.A.1.c. Facility Inspections
I.B.12.19	NOCOA 11567 Condition #4 (10/04/18)	Boeing Auburn 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.	II.A.2. O&M Plan Requirements II.A.3.b. Documentation on File
I.B.12.20	NOCOA 11567 Condition #5 (10/04/18)	Boeing Auburn shall not ablate in the laser system more than 1140 parts and 90 health check coupons per month. Compliance can be verified with production and/or testing records or with actual number of airplane parts and coupons ablated in the machine.	II.A.3.b. Documentation on File
I.B.12.21	NOCOA 11567 Condition #6 (10/04/18)	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 shall be shown with manufacturer data or other information the Agency deems acceptable. This documentation must be kept on-site at all times.	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.12.22	NOCOA 11567 Condition #7 (10/04/18)	Boeing Auburn shall ensure no visible emissions from the dust collection system exhaust.	II.C.5. Laser System Visible Emission Monitoring – NOCOA 11567
I.B.12.23	NOCOA 11567 Condition #8 (10/04/18)	The laser ablation dust collection system must be equipped with an operable gauge to indicate pressure drop across the exhaust filtration system. The acceptable pressure drop shall be established using the manufacturer's recommendations, specifications, or instructions. The established pressure drop minimum and maximum values must be clearly marked on or nearby the gauge.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.24	NOCOA 11567 Condition #9 (10/04/18)	The laser ablation system shall always be operated with the acceptable pressure drop range across the exhaust filter.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.25	NOCOA 11567 Condition #10 (10/04/18)	The facility O&M Plan must address procedures for determining when the dust collector is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, shall be included in the O&M Plan: -Dust collector system maintenance -Dust collector system inspection procedures -Dust collector system acceptable pressure drop range and a description of how it was determined if no interlock system -How the interlock system works (if applicable)	II.A.2. O&M Plan Requirements
I.B.12.26	NOCOA 11567 Condition #11 (10/04/18)	Boeing Auburn 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.	II. B.12.c. Thermal Cutting and Laser Ablation Operations – Recordkeeping Procedure – Thermal Cutting and Laser Ablation Operations

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
NOCOA 11663 conditions that apply to the TLM-610 model laser cutting system in Building 17-68 used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys. Emissions will be vented to a Farr GS10 dust collector rated at 5,000 cubic feet per minute and equipped with a HEPA filter			
I.B.12.27	NOCOA 11663 Condition #1 (1/08/19)	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.	II.A.3.b. Documentation on File
I.B.12.28	NOCOA 11663 Condition #3 (1/08/19)	The laser cutting system shall be completely enclosed and all emissions must be routed to dust collector system while operating, and then vented inside a building	II.A.1.c. Facility Inspections
I.B.12.29	NOCOA 11663 Condition #4 (1/08/19)	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.	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File
I.B.12.30	NOCOA 11663 Condition #5 (1/08/19)	Boeing Auburn shall ensure no visible emissions from the dust collection system exhaust outside the building.	II.B.12.b. Thermal Cutting and Laser Ablation Operations – Visible Emission Monitoring Procedure – Thermal Cutting
I.B.12.31	NOCOA 11663 Condition #6 (1/08/19)	The laser cutter dust collection system must be equipped with an operable gauge to indicate 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.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.32	NOCOA 11663 Condition #7 (1/08/19)	Laser ablation system shall always be operated with the acceptable pressure drop range across the HEPA filter.	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.12.33	NOCOA 11663 Condition #8 (1/08/19)	The facility O&M Plan must address procedures for determining when the dust collector is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, shall be included in the O&M Plan: -Dust collector system maintenance -Dust collector system inspection procedures -Dust collector system acceptable pressure drop range and a description of how it was determined if no interlock system -How the interlock system works (if applicable)	II.A.2. O&M Plan Requirements
I.B.12.34	NOCOA 11663 Condition #9 (1/08/19)	Boeing Auburn 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.	II. B.12.c. Thermal Cutting and Laser Ablation Operations – Recordkeeping Procedure – Thermal Cutting and Laser Ablation Operations
NOCOA 12327 conditions that apply to one Mitsubishi 3015GX-F model laser cutting system used to cut a variety of metals including aluminum, titanium, stainless steel, and other metal alloys. 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.			
I.B.12.35	NOCOA 12327 Condition #1 (6/12/23)	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.	II.A.3.b. Documentation on File
I.B.12.36	NOCOA 12327 Condition #3 (6/12/23)	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	II.C.6. Laser System Recordkeeping Requirements - NOCOA 12327

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
I.B.12.37	NOCOA 12327 Condition #4 (6/12/23)	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.	II.A.1.c. Facility Inspections II.A.3.b. Documentation on File
I.B.12.38	NOCOA 12327 Condition #5 (6/12/23)	Boeing Auburn shall ensure no visible emissions from the dust collection system exhaust outside the building.	II.B.12.b. Thermal Cutting and Laser Ablation Operations – Visible Emission Monitoring Procedure – Thermal Cutting
I.B.12.39	NOCOA 12327 Condition #6 (6/12/23)	Boeing Auburn must maintain an operable gauge to measure 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	II. B.12.a. Thermal Cutting and Laser Ablation Operations – Pressure Drop Monitoring Procedure – Thermal Cutting
I.B.12.40	NOCOA 12327 Condition #8 (6/12/23)	The facility O&M Plan must address procedures for determining when the dust collector is operating properly, and the corrective action that will be taken when it is not. The following, at a minimum, shall be included in the O&M Plan: -Dust collector system maintenance -Dust collector system inspection procedures -Dust collector system acceptable pressure drop range and a description of how it was determined if no interlock system -How the interlock system works (if applicable)	II.A.2. O&M Plan Requirements
I.B.12.41	NOCOA 12327 Condition #9 (6/12/23)	Boeing Auburn 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.	II. B.12.c. Thermal Cutting and Laser Ablation Operations – Recordkeeping Procedure – Thermal Cutting and Laser Ablation Operations

Section II: Monitoring, Maintenance and Recordkeeping Methods

Where an applicable requirement in this Section II requires a record or document to be generated and/or maintained, that record or document may be in hard copy form or computer readable (electronic) form unless otherwise specified.

Boeing Auburn must follow the applicable monitoring, maintenance, and recordkeeping described below when referenced by an applicable requirement in Section I.A, I.B, III, IV, or V.T of this permit. Except for the testing required under Section V.N.1 (Emission Testing, General) of this permit, the tests performed to satisfy the requirements of any monitoring method under Section II of this permit are monitoring tests and are not considered "compliance tests" for purposes of Section V.N.1(c) (regarding compliance test notifications) and V.N.1(d) (regarding compliance test reports) of this permit.

[WAC 173-401-615, 10/17/02 *(State Only)*]

A. General Monitoring, Maintenance and Recordkeeping Methods

1. Facility-Wide Monitoring

a. Opacity Monitoring

Boeing Auburn shall conduct visible emission inspections of the facility at least once per calendar quarter. Inspections are to be performed while the facility is in operation during daylight hours. If during a quarterly visible emissions inspection, visible emissions other than uncombined water are observed from a single unit or activity, Boeing Auburn shall as soon as practicable but within 24 hours of the initial observation:

i. Take corrective action, which may include shutting down the unit or activity until it can be repaired, until there are no visible emissions (or until the unit or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or,

ii. Determine the opacity using the reference test method; or

iii. Observe for a minimum of 15 minutes, or until visible emissions have been observed for a total of 45 seconds, whichever is a shorter period. If visible emissions other than uncombined water are observed from a single unit or activity lasting longer than 45 seconds during a 15 minute interval, Boeing Auburn may continue to observe visible emissions for an additional 45 minutes or until visible emissions have been observed for a total of 3 minutes in the hour, whichever is a shorter period. If visible emissions are observed for a total of 3 minutes during the 60 minute observation, or if visible emissions have been observed for a total of 45 seconds during the 15 minute observation and Boeing Auburn did not elect to continue the visible emission inspection as described above, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation either:

a. Take corrective action, which may include shutting down the unit or activity until it can be repaired, until there are no visible emissions (or until the unit or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or,

b. Determine the opacity using the reference test method.

If Boeing Auburn observes visible emissions from an emergency generator or generator for

fire suppression pumps, Boeing Auburn shall check to make sure that the generator is operated and maintained properly and either shut it down within 3 hours or observe visible emissions using Ecology Method 9A within 30 days.

Boeing Auburn shall keep records of the inspections, including date and time of inspection, the name or initials of the person conducting inspection, the results of the inspection, the time period over which visible emissions occurred (if any), and any corrective action conducted.

All observations using the opacity reference test method shall be reported according to V.Q.1.f. Ecology Method 9A Reports.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

b. Complaint Response

Boeing Auburn shall record and commence an investigation of air pollution complaints as soon as practicable, but no later than three working days after receipt by Boeing Auburn. Boeing Auburn shall identify complaints regarding these emissions as follows:

i. Any emissions that are, or likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interfere with enjoyment of life and property; or

ii. Any fugitive dust emissions, or

iii. Any track-out onto paved roads open to the public, or

iv. Any emissions of odor-bearing air contaminants, or

v. Complaints regarding other applicable requirements.

Boeing Auburn shall investigate the complaint and determine if there was noncompliance with an applicable requirement of this permit. If it is determined that there is such noncompliance, Boeing Auburn shall as soon as practicable but no later than 24 hours of determination of noncompliance, either correct the problem or shut down the noncompliant operation until it is repaired or corrected. If Boeing Auburn observes potential compliance problems for which there are no monitoring requirements under an applicable requirement and corrects that problem within 24 hours or shuts down the non-compliant operation until it can be operated in compliance, Boeing Auburn does not need to report this occurrence under V.Q.1.b Deviation Reports. Failure to investigate the complaint as described above is a deviation of this permit. If noncompliance is determined, failure to either correct the noncompliance or shut down the unit or activity within 24 hours is a deviation of this permit and must be reported under V.Q.1.b Deviation Reports.

Boeing Auburn shall keep records for all complaints received concerning odor, fugitive emissions or nuisance. These records must also contain the following information:

i. The date and time of the complaint,

ii. The name of the person complaining, if known,

iii. The nature of the complaint, and

iv. The date, time and nature of any corrective action taken.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

c. Facility Inspections

Boeing Auburn shall conduct a facility inspection at least once per calendar quarter. These inspections shall include but not be limited to (i) checking for prohibited activities under Section III of this permit, (ii) checking activities that require additional approval under Section IV of this permit (including whether required approvals have been received for the activities and they are otherwise being conducted in compliance with the applicable requirements in Section IV of this permit), and (iii) checking for compliance with the applicable requirements in Section V.T Stratospheric Ozone and Climate Protection. The inspections shall also examine the general state of compliance with the facility-wide applicable requirements and the general effectiveness of the O&M Plan.

Operational areas may be randomly selected for inspection, but no operational area need be inspected more than once every two years under this Section II.A.1.c.

Boeing Auburn shall, as soon as practicable but no later than 24 hours after identification, correct any potential compliance problems at any equipment or activity with respect to applicable requirements for which this Section II.A.1.c. (Facility Inspections) is an applicable monitoring method, or shut down the equipment or activity until the problem can be corrected. If Boeing Auburn observes potential compliance problems for which there are no monitoring requirements under an applicable requirement and corrects that problem within 24 hours or shuts down the equipment or activity until the problem can be corrected, Boeing Auburn does not need to report this occurrence under V.Q.1.b Deviation Reports.

Boeing Auburn shall keep records of the inspections, including date and time of inspection, the name or initials of the person conducting inspection, the results of the inspection, and any corrective action conducted.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

d. Work Practice Inspection

Boeing Auburn shall conduct facility wide inspections of work practice activities that are applicable requirements at least once per calendar quarter. Unless otherwise specified in Orders of Approval or PSD permits, operational areas shall be randomly sampled during the facility-wide inspection and observed for consistency with requirements in this permit, but no operational area need be inspected more than once every two years under this Section II.A.1.d.

Boeing Auburn shall, as soon as practicable but within 24 hours of identification, take one of the following actions:

i. Correct any potential compliance problems with respect to applicable requirements for which this Section II.A.1.d. is an applicable monitoring method identified either during these quarterly inspections, or any other time; or

ii. Shut down the unit or activity to which the work practice applies until the problem can be corrected.

If Boeing Auburn observes potential compliance problems for which there are no monitoring requirements under an applicable requirement, and corrects that problem within 24 hours or shuts down the unit or activity until the problem can be corrected, Boeing Auburn does not need to report this occurrence V.Q.1.b Deviation Reports unless the ANESHAP specifically lists the event as a noncompliance event in 40 CFR 63.749(c), 40 CFR 63.749(d)(3)(iii)(A), 40 CFR 63.749(d)(4)(iii)(A), or a violation in 40 CFR 63.749(i). For

the purpose of determining compliance with the work practice requirements of 40 CFR 63.744(a)(1), Reqmt. No. I.B.1.17, for solvent rag management, "completing their use" means upon completion of the cleaning operation, before leaving for a break, or the end of a shift, whichever comes first.

Boeing Auburn shall keep records of the inspections, including date and time of inspection, the name or initials of the person conducting inspection, the results of the inspection, and any corrective action conducted.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

e. Maintenance and Repair of Insignificant Emission Units

Boeing Auburn shall use good industrial practices to maintain insignificant emission units. For such equipment, Boeing Auburn shall also promptly repair defective equipment or shut down until the equipment is repaired. Records under V.O.4. General Recordkeeping are not required for such equipment except when such equipment is inspected under II.A.1.c. Facility Inspections and a problem requiring prompt repair is discovered during the inspection.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

f. Fugitive Dust, Track-Out, and Odor Bearing Contaminants

Boeing Auburn shall conduct inspections of the facility for odor bearing contaminants and emissions of any air contaminant in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interfere with enjoyment of life and property at least once per calendar quarter. Boeing Auburn shall also conduct inspections to monitor for fugitive dust and track-out from the facility at least once per calendar quarter.

If a deviation from the applicable requirements identified in this permit for which this Section II.A.1.f. is an applicable monitoring method is observed during a quarterly inspection, or any other time, Boeing Auburn shall within 24 hours of identification implement corrective actions to eliminate the deviation promptly or shut down the unit or activity at which the deviation occurs until the deviation can be corrected.

If Boeing Auburn observes potential compliance problems for which there are no monitoring requirements under an applicable requirement and corrects that problem within 24 hours or shuts down the unit or activity, Boeing Auburn does not need to report this occurrence under V.Q.1.b Deviation Reports.

Boeing Auburn shall keep records of the inspections, including date and time of inspection, the name or initials of the person conducting inspection, the results of the inspection, and any corrective action conducted.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

2. Operation & Maintenance Plan Requirements

Boeing Auburn's O&M Plan shall include equipment operation and maintenance procedures specifying how Boeing Auburn will assure continuous compliance with PSCAA Regulations I, II and III. For insignificant emission units, refer to the requirements stated in Section II.A.1.e. Maintenance and Repair of Insignificant Emission Units of this permit. The plan shall reflect good industrial practice. In most instances, following the manufacturer's operations manual or equipment operational schedule, minimizing emissions until the repairs can be completed and

taking measures to prevent recurrence of the problem may be considered good industrial practice.

Determination of whether good industrial practice is being used will be based on available information such as monitoring results, opacity observations, review of operations and maintenance procedures, and checks of the equipment and control equipment. The specific provisions of the O&M Plan, other than those required by subsection II.A.1, II.A.3 and II.B shall not be deemed part of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[PSCAA Reg. I, 7.09(b) 10/26/23*]*

3. Other Monitoring, Maintenance and Recordkeeping Methods

a. Approval by PSCAA, via NOCOA

Boeing Auburn has presented the pertinent information to PSCAA via a NOC and PSCAA has issued an NOCOA indicating approval of this operation or activity. Boeing Auburn shall remain in compliance with the NOCOA.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

b. Documentation on File

Boeing Auburn shall maintain documents for at least five years from the date of record, which demonstrate compliance with the requirement. Boeing Auburn shall make the documents available to PSCAA promptly upon request.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

c. Fuel Oil Purchase Specification

Boeing Auburn's fuel oil contract for the delivery of oil burned in fuel burning equipment (i.e. equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel) shall specify that the fuel must meet the specifications listed in PSCAA Regulation I, Section 9.08(a).

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

d. Fuel Oil Sulfur Content Monitoring Procedure

For all fuel oil deliveries, Boeing Auburn's fuel oil contract shall specify that only fuel oil with a sulfur content not greater than 2% be delivered to the site.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)]*

B. Emission Unit Specific Monitoring, Maintenance and Recordkeeping Methods

In this section, if any equipment is not in use during the specified monitoring period, then no monitoring is required for that time period and the absence of monitoring is not a permit deviation.

For the frequency of monitoring activities, time periods specified as “monthly” means each calendar month and time periods specified as “weekly” means each calendar week, even if the word “calendar” is absent, unless otherwise specified in an applicable requirement.

1. Coating, Cleaning, and Depainting Operations Monitoring, Maintenance and Recordkeeping Methods.

a. Spray Booth Filter Monitoring and Maintenance

For all spray booths using a dry exhaust filter system, Boeing Auburn shall check the primary exhaust filters, where visible from either the front or back, for proper seating and complete coverage over the exhaust plenum. If the primary filter of a multi-stage filter system is not visible because it is covered by another stage on both the front and back or because it is covered by another stage on one side and there is no access to the other side, then it does not need to be inspected. For dry booths with a multi-stage filter system but that have no applicable requirements related to the filter’s efficiency, the primary filter is the visible filter. For booths with a multi-stage filter system and which also have applicable requirements related to the filter’s efficiency, the primary filter is the filter stage or stages that are necessary to meet the filter efficiency specified in the requirement.

Where an applicable requirement in this AOP (including applicable requirements originating in an NOCOA or an underlying regulatory requirement) requires an inspection, the inspection shall be conducted according to the frequency specified in the NOCOA or the underlying regulatory requirement. Otherwise, the inspection shall be conducted at least monthly or at time of use if booth is used less frequently than on a monthly basis.

If filter coverage is found to be unacceptable during inspections, or any other time, Boeing Auburn shall take corrective action as soon as practicable but within 24 hours of the initial observation, correct filter coverage, or shut down the spray booth until it can be repaired. If filter coverage is corrected within 24 hours or the operation remains shut down until the coverage is corrected, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation.

Where an applicable requirement in this AOP (including applicable requirements originating in an NOCOA or an underlying regulatory requirement) requires installation of specific type of filters, at least annually Boeing Auburn shall check to see if the correct filters are installed. If required filters are installed within 24 hours or the operation remains shut down until the correct filters are installed, Boeing Auburn does not need to report this as a deviation V.Q.1.b Permit Deviation.

WAC 173-401-615(1)(b), *10/17/02 (State Only)*]

b. RESERVED

c. ANESHAP Enclosed Spray Gun Cleaning Systems Monitoring, Maintenance and Recordkeeping

Boeing Auburn shall visually inspect the seals and all other potential sources of leaks associated with each enclosed spray gun cleaning system at least monthly. Each

inspection shall occur while the system is in operation. If leaks are found during the monthly inspection, or any other time, repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

For each leak found, Boeing Auburn shall record the identification of the leaking enclosed gun cleaning system, the date the leak was discovered and the date it was repaired.

[40 CFR 63.744(c)(1)(ii), 12/7/15]
[40 CFR 63.749(c)(2)(iii), 12/7/15]
[40 CFR 63.751(a), 12/7/15]
[40 CFR 63.752(b)(5), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

d. ANESHAP Cleaning Operations Monitoring and Recordkeeping

As appropriate if needed to demonstrate compliance, Boeing Auburn shall record the name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations. Manufacturer's supplied data is sufficient to demonstrate compliance with this requirement.

[40 CFR 63.752(b)(1), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

Hand-wipe cleaning operations where wiping, scrubbing, mopping or other hand actions are used are not "flush cleaning."

[40 CFR 63.742, 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

For each cleaning solvent used in the hand-wipe cleaning operation at the facility that complies with the composition requirements specified in 63.744(b)(1), or for semi-aqueous cleaning solvents used for flush cleaning operations, Boeing Auburn shall record the name, data and calculations demonstrating the solvent complies with one of the compositions requirements, and annual records of the volume of each solvent used as determined from facility purchase records or usage records. Boeing Auburn shall demonstrate compliance with hand wipe cleaning solvent composition using manufacturer's data.

[40 CFR 63.752(b)(2), 12/7/15]
[40 CFR 63.750(a), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

For each cleaning solvent used in the hand-wipe cleaning operation at the facility that does not comply with the composition requirements in 63.744(b)(1), but does comply with the vapor pressure requirement of 63.744(b)(2), Boeing Auburn shall record the name, composite vapor pressure, the vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure, and the amount in gallons of each cleaning solvent used each month at the Boeing Auburn facility. For single-component cleaning solvents, the vapor pressure shall be determined using Safety Data Sheets (SDS) or other manufacturer's data, standard engineering reference tests, or other equivalent methods. For blended cleaning solvents, the composite vapor pressure shall be determined by quantifying the amount of each organic compound in the blend using

manufacturer's supplied data or a gas chromatographic analysis in accordance with American Society for Testing and Materials (ASTM) E 260-91 or 96 and by calculating the composite vapor pressure of the solvent by summing the partial pressure of each component using the equation in 63.750(b)(2), Reqmt. No. I.B.1.32. The vapor pressure of each component shall be determined using manufacturer's data, standard engineering reference texts, or other equivalent methods. Alternatively, for blended solvents, Boeing Auburn may use a composite vapor pressure supplied by the manufacturer if the manufacturer calculated the composite vapor pressure using the equation in 63.750(b)(2), Reqmt. No. I.B.1.32.

[40 CFR 63.752(b)(3), 12/7/15]
[40 CFR 63.750(a) and (b), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

For cleaning solvents that do not meet the composition or vapor pressure requirements specified in 63.744(b), Reqmt. No. I.B.1.22, and are used for an exempt hand-wipe cleaning operation listed in 63.744(e), Boeing Auburn shall record the name and the amount of each cleaning solvent used each month for the collective exempt cleaning operation. Boeing Auburn shall maintain a list of the exempt processes set forth in 63.744(e), Reqmt. No. I.B.1.26, to which the exempt hand-wipe cleaning operation applies.

[40 CFR 63.752(b)(4), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

e. ANESHAP Coating Operations Monitoring and Recordkeeping

i. Boeing Auburn shall maintain the following records on the ANESHAP regulated primers and topcoats used at the site. If using manufacturer's supplied data to demonstrate compliance with the applicable organic HAP or VOC content limits, Boeing Auburn may retain the manufacturer's documentation and annual purchase records in place of the records specified in (b) and (c) below:

[40 CFR 63.750(c), 12/7/2015]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

a) The name and VOC content as received and as applied for each primer and topcoat.

[40 CFR 63.752(c)(1), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

b) For uncontrolled primers and topcoats that meet the HAP and VOC content limits without averaging, the mass of organic HAP emitted per unit volume as applied (less water) as calculated using the procedures specified in 63.750(c)(1) through (c)(3); the mass of VOC emitted per unit volume as applied (less water and exempt solvents) as calculated using the procedures specified in 63.750(e)(1) through (e)(3), and all data, calculations, and test results used in determining the HAP and VOC contents; and the volume (gallon) of each coating formulation within each coating category used each month.

[40 CFR 63.752(c)(2), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

c) For “low HAP content” uncontrolled primers with organic HAP content less than or equal to 250 g/l less water and VOC content less than or equal to 250 g/l less water and exempt solvent, annual purchase records of the total volume of each primer purchased, and all data, calculations, and test results used in determining the organic HAP and VOC contents.

[40 CFR 63.752(c)(3), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

d) For primers and topcoats complying with the organic HAP or VOC content level by averaging, the monthly volume-weighted average masses of organic HAP and VOC emitted per unit volume of coating as applied (less water and exempt solvents) as determined by the procedures specified in 63.750(d) and (f), and all data, calculations, and test results used in determining the values.

[40 CFR 63.752(c)(4), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

ii. Boeing Auburn shall maintain the following records on the ANESHAP regulated specialty coatings used at the site. If using manufacturer’s supplied data to demonstrate compliance with the applicable organic HAP or VOC content limits, Boeing Auburn may retain the manufacturer’s documentation and annual purchase records in place of the records specified in (b) and (c) below. Regulated specialty coatings and the associated HAP and VOC limits are included in Table 1 below.

a) The name and VOC content as received and as applied for each specialty coating.

[40 CFR 63.752(c)(1), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

b) For uncontrolled specialty coatings that meet the HAP and VOC content limits without averaging, the mass of organic HAP emitted per unit volume as applied (less water) as calculated using the procedures specified in 63.750(c)(1) through (c)(3); the mass of VOC emitted per unit volume as applied (less water and exempt solvents) as calculated using the procedures specified in 63.750(e)(1) through (e)(3), and all data, calculations, and test results used in determining the HAP and VOC contents; and the volume (gallon) of each coating formulation within each coating category used each month.

[40 CFR 63.752(c)(2), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

c) For specialty coatings complying with the organic HAP or VOC content level by averaging, the monthly volume-weighted average masses of organic HAP and VOC emitted per unit volume of coating as applied as determined by the procedures specified in 63.750(d) and (f), and all data, calculations, and test results used in determining the values.

[40 CFR 63.752(c)(4), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

TABLE 9-SPECIALTY COATINGS-HAP AND VOC CONTENT LIMITS

COATING TYPE	HAP Limit g/L (lb/gallon)	VOC limit g/L (lb/gallon)
Ablative Coating	600 (5.0)	600 (5.0)
Adhesion Promoter	890 (7.4)	890 (7.4)
Adhesive Bonding Primers: Cured at 250◦F or below	850 (7.1)	850 (7.1)
Adhesive Bonding Primers: Cured above 250◦F	1030 (8.6)	1030 (8.6)
Commercial Interior Adhesive	760 (6.3)	760 (6.3)
Cyanoacrylate Adhesive	1020 (8.5)	1020 (8.5)
Fuel Tank Adhesive	620 (5.2)	620 (5.2)
Nonstructurall Adhesive	360 (3.0)	360 (3.0)
Rocket Motor Bonding Adhesive	890 (7.4)	890 (7.4)
Rubber-based Adhesive	850 (7.1)	850 (7.1)
Structural Autoclavable Adhesive	60 (.5)	60 (.5)
Structural Nonautoclavable Adhesive	850 (7.1)	850 (7.1)
Antichafe coating	660 (5.5)	660 (5.5)
Bearing coating	620 (5.2)	620 (5.2)
Caulking and Smoothing Compounds	850 (7.1)	850 (7.1)
Chemical Agent-Resistant Coating	550 (4.6)	550 (4.6)
Clear Coating	720 (6.0)	720 (6.0)
Commercial Exterior Aerodynamic Structure Primer	650 (5.4)	650 (5.4)
Compatible Substrate Primer	780 (6.5)	780 (6.5)
Corrosion Prevention System	710 (5.9)	710 (5.9)
Cryogenic Flexible Primer	645 (5.4)	645 (5.4)
Cryoprotective Coating	600 (5.0)	600 (5.0)
Dry Lubricative Material	880 (7.3)	880 (7.3)
Electric or Radiation-Effect Coating	800 (6.7)	800 (6.7)
Electromagnetic Interference (EMI) Coating	800 (6.7)	800 (6.7)
Elevated-Temperature Skydrol-Resistant Commercial Primer	740 (6.2)	740 (6.2)
Epoxy Polyamide Topcoat	660 (5.5)	660 (5.5)
Fire-Resistant (interior) Coating	800 (6.7)	800 (6.7)
Flexible Primer	640 (5.3)	640 (5.3)
Flight-Test Coatings:Missile or Single Use Aircraft	420 (3.5)	420 (3.5)
Flight-Test Coatings: All Other	840 (7.0)	840 (7.0)
Fuel Tank Coating	720 (6.0)	720 (6.0)
High-Temperature Coating	850 (7.1)	850 (7.1)
Insulation Covering	740 (6.2)	740 (6.2)
Intermediate Release Coating	750 (6.3)	750 (6.3)
Lacquer	830 (6.9)	830 (6.9)
Bonding Maskant	1,230 (10.3)	1,230 (10.3)
Critical Use and Line Sealer Maskant	1,020 (8.5)	1,020 (8.5)
Seal Coat Maskant	1,230 (10.3)	1,230 (10.3)

TABLE 9-SPECIALTY COATINGS-HAP AND VOC CONTENT LIMITS *(cont)*

COATING TYPE	HAP Limit g/L (lb/gallon)	VOC limit g/L
Metallized Epoxy Coating	740 (6.2)	740 (6.2)
Mold Release	780 (6.5)	780 (6.5)
Optical Anti-Reflective Coating	750 (6.3)	750 (6.3)
Part Marking Coating	850 (7.1)	850 (7.1)
Pretreatment Coating	780 (6.5)	780 (6.5)
Rain Erosion-Resistant Coating	850 (7.1)	850 (7.1)
Rocket Motor Nozzle Coating	660 (5.5)	660 (5.5)
Scale Inhibitor	880 (7.3)	880 (7.3)
Screen Print Ink	840 (7.0)	840 (7.0)
Extrudable/Rollable/Brushable Sealant	280 (2.3)	280 (2.3)
Sprayable sealant	600 (5.0)	600 (5.0)
Silicone Insulation Material	850 (7.1)	850 (7.1)
Solid Firm Lubricant	880 (7.3)	880 (7.3)
Specialized Function Coating	890 (7.4)	890 (7.4)
Temporary Protective Coating	320 (2.7)	320 (2.7)
Thermal Control Coating	800 (6.7)	800 (6.7)
Wet Fastener Installation Coating	675 (5.6)	675 (5.6)
Wing Coating	850 (7.1)	850 (7.1)

f. Dry Filter Spray Booth Pressure Drop Monitoring and Recordkeeping Procedure

Boeing Auburn shall:

i. Install a differential pressure gauge across the exhaust filter banks.

ii. Continuously monitor the pressure drop across the dry filter.

iii. When spray-applying Aerospace NESHAP-regulated primers, topcoats, or specialty coatings containing inorganic HAP greater than or equal to 0.1% for carcinogens and 1.0% for non-carcinogens, read and record the pressure drop indicated by the gauge required by (f)(i) once per shift. For any shift where pressure drop is not recorded, Boeing Auburn must maintain records to demonstrate no regulated primers, topcoats, or specialty coating containing inorganic HAP greater than or equal to 0.1% for carcinogens and 1.0% for non-carcinogens was being spray-applied.

iv. When spray-applying coatings other than Aerospace NESHAP-regulated primers, topcoats, or specialty coatings containing inorganic HAP greater than or equal to 0.1% for carcinogens and 1.0% for non-carcinogens, read and record the pressure drop indicated by the gauge required by (f)(i) monthly or as specified in an applicable requirement originating in an NOCOA. For any month or monitoring interval specified in an applicable requirement originating in an NOCOA where pressure drop is not recorded, Boeing Auburn must demonstrate that no spray coating has occurred.

v. A record of the pressure drop is not required under this section if the spray booth is equipped with 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).

vi. If the recorded pressure drop exceeds or falls below the acceptable limits established using the procedures below or if an interlock system is used and they system shuts down the coating spray application system, Boeing Auburn shall shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure drop is returned to within the acceptable limits.

[40 CFR 63.745(g), 12/7/15]
[40 CFR 63.751(c), 12/7/15]
[40 CFR 63.752(d)(1) and (d)(3), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)
[WAC 173-401-615(1), 10/17/02 *(State Only*]]

The acceptable pressure drop range shall be established using either the manufacturer's recommendations, specifications, or instruction; or shall be based on providing adequate air flow while maintaining filter integrity based on the specific design of the system. If an interlock system is used, the If the manufacturer's recommendations, specification, or instructions are not utilized, the low end of the range, with the exception of filter banks which have a clean filter pressure drop less than or equal to 0.03 inches of water, will be established at no less than 50 percent of the clean filter value. For filters with the clean pressure drop less than or equal to 0.03 inches of water, the low end of the range may be set at zero. The high end will be established based on operational experience to allow for adequate air flow in the specific paint booth or hangar, but no higher than the point at which the filter will fail.

[WAC 173-401-615(1), 10/17/02 *(State Only*]]

Once each calendar quarter Boeing Auburn 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.

[WAC 173-401-615(1), 10/17/02 *(State Only*]]

g. ANESHAP Averaging Scheme for Primers, Topcoats and Specialty Coatings

Boeing Auburn shall maintain records of the monthly volume-weighted average mass of organic HAP emitted per unit volume of primer, topcoat or specialty coating, as applied (less water) (Ha) for all primers, topcoats and specialty coatings for which averaging is used to meet the HAP content limit (as determined by the procedures specified in 40 CFR 63.750(d)); and all data and calculations used to determine Ha for each primer, topcoat, or specialty coating operation for which Boeing Auburn wishes to use this averaging scheme to demonstrate compliance with the HAP content limit.

[40 CFR 63.752(c)(4), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

Boeing Auburn shall maintain records of the monthly volume-weighted average mass of VOC emitted per unit volume of primer, topcoat or specialty coating, as applied (less water and exempt solvents) (Ga) for all primers and topcoats for which averaging is used to meet the VOC content limit (as determined by the procedures specified in 40 CFR 63.750(f)); and all data and calculations used to determine Ga for each primer, topcoat or specialty coating operation for which Boeing Auburn wishes to use this averaging scheme to demonstrate compliance with the VOC content limit.

[40 CFR 63.752(c)(4), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

If before the beginning of any calendar month Boeing Auburn enters into a log that a specific coating operation will only use primers with organic HAP content that does not exceed the limits in 63.745(c)(1), Reqmt. No. I.B.1.35, that a specific coating operation will only use topcoats with organic HAP content that does not exceed the limits in 63.745(c)(3), Reqmt. No. I.B.1.37, or that a specific coating operation will only use specialty coatings with organic HAP content that does not exceed the limits in 63.745(c)(5), Reqmt. No. I.B.1.39, and makes that log available to PSCAA personnel upon request, then Boeing Auburn does not need to follow the recordkeeping requirements for averaging as described in this section for that month or months.

[WAC 173-401-650(1), 11/4/93 *(State Only*]]

If before the beginning of any calendar month Boeing Auburn enters into a log that a specific coating operation will only use primers with VOC content that does not exceed the limits in 63.745(c)(2), Reqmt. No. I.B.1.36, that a specific coating operation will only use topcoats with VOC content that does not exceed the limits in 63.745(c)(4), Reqmt. No. I.B.1.38, or that a specific coating operation will only use specialty coatings with organic VOC content that does not exceed the limits in 63.745(c)(6), Reqmt. No. I.B.1.40 and makes that log available to PSCAA personnel upon request, Boeing Auburn does not need to follow the recordkeeping requirements for averaging as described in this section for that month or months.

[WAC 173-401-650(1), 11/4/93 *(State Only*]]

h. RESERVED

i. PSCAA VOC Content Monitoring and Recordkeeping Procedure

Boeing Auburn shall maintain manufacturer's SDS, or other manufacturer-supplied data on the VOC content of Commercial Aerospace Primers (BMS 10-11, Type I) and Topcoats (BMS 10-11, Type II), Aerospace Temporary Protective Coatings, and motor vehicles/mobile equipment coatings. Boeing Auburn shall maintain a list of the coatings described above that are used on site. For Aerospace Temporary Protective Coatings, Boeing Auburn shall specify in the records that coatings can only be applied with aerosol cans. Boeing Auburn shall update this list at least annually. Boeing Auburn shall make this information available to PSCAA upon request.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only*]]

For coatings regulated under the 7/24/03 version of PSCAA Reg. II, 3.04(b), Reqmt. No. I.B.1.76, monthly records shall be maintained to demonstrate compliance with the standards specified in 3.04(b). The records shall include type of paint, quantity applied, and how the coating qualifies as specialty. The records shall be made available to PSCAA upon request.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[PSCAA Reg. II, 3.04(c), 7/24/03]

2. External Combustion Monitoring, Maintenance and Recordkeeping Methods

a. External Combustion Visible Emission Monitoring

Boeing Auburn shall check for visible emissions (exclusive of uncombined water vapor) quarterly when burning gas in boilers and heaters greater than 10 MMBtu/hr.

If during the inspection, or any other time, visible emissions other than uncombined water vapor are observed from a single source or activity, Boeing Auburn shall as soon as practicable but within 24 hours of the initial observation:

i. Take corrective action, which may include shutting down the source or activity until it can be repaired, until there are no visible emissions (or until the source or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or,

ii. Determine the opacity using the reference test method; or

iii. Observe for a minimum of 15 minutes, or until visible emissions have been observed for a total of 45 seconds, whichever is a shorter period. If visible emissions other than uncombined water vapor are observed from a single source or activity lasting longer than 45 seconds during a 15 minute interval, Boeing Auburn may continue to observe visible emissions for an additional 45 minutes or until visible emissions have been observed for a total of 3 minutes in the hour, whichever is a shorter period. If visible emissions are observed for a total of 3 minutes during the 60 minute observation, or if visible emissions have been observed for a total of 45 seconds during the 15 minute observation and Boeing Auburn did not elect to continue the visible emission inspection as described above, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation either:

a) Take corrective action, which may include shutting down the source or activity until it can be repaired, until there are no visible emissions (or until the source or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or

b) Alternatively, determine the opacity using the reference test method.

All observations using the opacity reference test method shall be reported according to V.Q.1.f. Ecology Method 9A Reports.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

b. Boiler NESHAP (40 CFR 63 Subpart DDDDD) Monitoring, Maintenance and Recordkeeping Methods

i. Boiler NESHAP Tune-up Procedure and Recordkeeping

Tune-ups for boilers and process heaters subject to Subpart DDDDD must be conducted according to the frequency in 40 CFR 63.7540(a)(10), (a)(11), or (a)(12), Reqmt. No. I.B.2.2 as applicable. Tune-ups shall include the following.

a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary. The burner inspection may be performed any time prior to the tune-up or delayed until the next scheduled unit shutdown, although for units where a tune-up is required under this section every 5 years, the burner inspection may be delayed until the next scheduled or unscheduled shutdown but must be inspected at least once every 72 months. At units where entry into a piece of

process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment.

b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The inspection may be delayed until the next scheduled unit shutdown.

d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject.

e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, at high fire or typical operating load before and, if necessary, after the adjustments are made. Measurements may be taken using a portable CO analyzer. For purposes of this section, the term "adjustment" means any adjustment made to optimize total emission of CO under (1)(iv) of this section. If through initial CO and oxygen measurements, Boeing Auburn determines that CO emissions are already optimized and no adjustments are necessary, then no additional CO and oxygen measurements need to be taken.

f) Maintain on-site a report containing the following information for each tune-up:

1) The initial concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load and, if adjustments were made to optimize CO during the tune-up, then the concentrations of CO and oxygen measured in the effluent steam following the adjustments;

2) A description of any corrective actions taken as part of the tune-up; and

3) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period.

This report shall be maintained on-site, and submitted to the Administrator if requested.

[40 CFR 63.7540(a)(10), (a)(11), and (a)(12), 11/20/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

ii. Boiler NESHAP Recordkeeping

Boeing Auburn must keep records as described in this section.

a) A copy of each notification and report that Boeing Auburn submitted to comply with Subpart DDDDD of 40 CFR 63, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that Boeing Auburn submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv), Reqmt. No.I.A.3.15.

b) Tune-up reports required by 40 CFR 63.7540(a)(10)(vi).

c) An energy assessment report required by Table 3 of 40 CFR 63, Subpart DDDDD. A facility that operates under an energy management program compatible with ISP 50001 that includes the affected units also satisfied the energy assessment requirement.

d) For each unit designed to burn natural gas, that is subject to 40 CFR Part 63 Subpart DDDDD, and that uses an alternative fuel other than natural gas, Boeing Auburn must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

In accordance with 40 CFR 63.10(b)(1), Reqmt. No. I.A.3.14, all records must be in a form suitable and readily available for expeditious review, Boeing Auburn must keep each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Boeing Auburn must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records can be kept off site for the remaining 3 years.

[40 CFR 63.7555(a)(1) and (h), 10/6/22; 40 CFR 63.7540(a)(10)(vi), 10/6/22; Table 3 of 40 CFR 63 Subpart DDDDD, 10/6/22; 40 CFR 63.7560, 3/21/2011; 40 CFR 63.10(b), 4/20/06]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

c. Boiler NSPS (40 CFR 60 Subpart Dc) Recordkeeping

Boeing Auburn shall record and maintain records of the amounts of each fuel combusted during each calendar month and maintain those records for at least two years following the date of record.

[40 CFR 60.48c(g) and (i), 1/28/09]
[PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)]*
[PSCAA Reg. I, Section 3.25 (9/28/23)*]*

3. Abrasive Blasting, Cyclones, Baghouses and Other Particulate Control Equipment

Boeing Auburn shall inspect the cyclones, baghouses, vacuum pumps, and abrasive blast booths, which exhaust to the outside atmosphere, as described below. If the inspection is required by an applicable requirement in this AOP (including applicable requirements originating in an NOCOA or an underlying regulatory requirement), the inspection shall be conducted according to the frequency specified in the NOCOA or the underlying regulatory requirement. Otherwise, Boeing Auburn shall inspect each unit at least monthly.

a. Visible Emissions: Boeing Auburn shall conduct visible emission inspections of the control equipment. Inspections are to be performed while the equipment is in operation during daylight hours. If during such inspections, or any other time, visible emissions other than uncombined water are observed from equipment, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation:

i. Take corrective action, which may include shutting down the unit or activity until it can be repaired, until there are no visible emissions (or until the unit or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or

ii. Determine the opacity using the reference test method, or

iii. Observe for a minimum of 15 minutes, or until visible emissions have been observed for a total of 45 seconds, whichever is a shorter period. Observations for visible emissions shall be at 15-second intervals. If visible emissions other than uncombined water are observed from a single unit or activity lasting longer than 45 seconds during a 15 minute interval, Boeing Auburn may continue to observe visible emissions for an additional 45 minutes or until visible emissions have been observed for a total of 3 minutes in the hour, whichever is a shorter period. If visible emissions are observed for a total of 3 minutes during the 60 minute observation, or if visible emissions have been observed for a total of 45 seconds during the 15 minute observation, and Boeing Auburn did not elect to continue the visible emission inspection as described above, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation either:

a) Take corrective action, which may include shutting down the unit or activity until it can be repaired, until there are no visible emissions (or until the unit or activity is demonstrated to be in compliance with all applicable opacity limitations in the permit using the reference test method); or,

b) Alternatively, determine the opacity using the reference test method.

All observations using the opacity reference test method shall be reported according to V.Q.1.f. Ecology Method 9A Reports.

b. Fugitive Dust and Fallout: Boeing Auburn shall check for evidence of fugitive dust or fallout from the equipment or the exhaust stack. If the fugitive dust or fallout from the equipment or the exhaust stack is observed, Boeing Auburn shall, as soon as practicable but no later than within 24 hours of observation, correct the problem, or shut down the operation until it is repaired or corrected.

c. Pressure Drop Monitoring: A pressure drop transmitter or gauge shall be installed to measure the pressure drop across the unit's exhaust filters. For units permitted under

NOCOA 2004 and 4192, the pressure drop transmitter or gauge does not need to be installed until 24 months after issuance of this renewal permit. This requirement does not apply to Asset Nos. 20897, 20708, 20684, 17000, 24946, 9898 and 9899. The acceptable pressure drop range shall be marked on or nearby the gauge, or on a pressure drop log. The acceptable range shall be established using the manufacturer's recommendations or the low end of the range will be no less than 50 percent of the pressure differential when operating with a clean filter. The high end shall be a value based on manufacturer's recommendations or operational experience and will be a value below that at which the filters would reasonably be expected to fail.

A record that the pressure drop was in the acceptable range shall be made according to the frequency specified in the NOCOA condition or at least on a monthly basis if not specified in the NOCOA. If the pressure drop is not within the acceptable range, Boeing Auburn shall, as soon as practicable but within 24 hours of the initial observation correct the pressure drop, shut down the unit or activity until it can be repaired or corrected.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)]*

4. Stationary Internal Combustion Engines Monitoring, Maintenance and Recordkeeping Methods

a. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Monitoring, Maintenance and Recordkeeping

Boeing Auburn has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2c to 40 CFR 63 Subpart ZZZZ, Reqmt. No. I.B.4.7 and Reqmt. No. I.B.4.8. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. Boeing Auburn must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625 (i),1/30/13]

Boeing Auburn must keep records of the maintenance conducted on existing stationary emergency RICE with a site rating of less than or equal to 500 brake HP in order to demonstrate that Boeing Auburn operated and maintained the existing emergency stationary RICE and after-treatment control device (if any) according to Boeing Auburn's maintenance plan.

[40 CFR 63.6655(e), 8/10/22]

For existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP that does not meet the standards applicable to non-emergency engines, Boeing Auburn must keep records of the hours of operation of the engine that is recorded through

the non-resettable hour meter. Boeing Auburn must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

[40 CFR 63.6655(f), 8/10/22]

The records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1), Reqmt. No. I.A.3.17. Boeing Auburn must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6660(a) & (b), 3/3/10]

Boeing Auburn must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1), Reqmt. No. I.A.3.17.

[40 CFR 63.6660(c), 3/3/10]

b. NSPS for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII) Monitoring, Maintenance and Recordkeeping

Starting with the model years in table 5 to NSPS, Subpart IIII in Section I.B.3, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, Boeing Auburn must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. Boeing Auburn must record the time of operation of the engine and the reason the engine was in operation during that time.

[40 CFR 60.4214 (b), 7/7/16]
[PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)]*
[PSCAA Reg. I, Section 3.25 (9/28/23) (*State Only)]*

5. Motor Vehicle Fueling Operations

a. Annual Gasoline Throughput Rate

Boeing Auburn shall keep records of the annual gasoline throughput rate at the facility.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

b. Gasoline Station Stage 1 Inspection Requirements

Boeing Auburn shall visually inspect the Stage 1 system after each product delivery. These inspections can occur any time after a product delivery as long as it occurs before the next delivery. Any equipment found to be defective (e.g., loose caps or adapters, stuck poppet valves, damaged gaskets) shall be repaired or replaced as soon as possible, but no later than seven days after the inspection. As an alternate to inspecting after each product delivery, Boeing Auburn can visually inspect the Stage 1 system no more than seven days after the previous inspection.

[PSCAA Reg. II, Section 2.07(b)(2), 12/9/99]

c. Gasoline Station Recordkeeping Requirements

Boeing Auburn must keep a copy of all records required by PSCAA Regulation II, Section 2.07 on-site at the facility and available for inspection for at least 2 years after the date the record was prepared.

[PSCAA Reg. II, Section 2.07(g), *7/26/12 (State Only)*]

6. Above Ground Fuel Storage Tank Maintenance

Boeing Auburn shall visually check for leakage of material at least semiannually.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

7. Wood Furniture Operations Monitoring, Maintenance and Recordkeeping Methods

Boeing Auburn shall keep purchase or usage records to document that the facility is an incidental wood furniture manufacturer, defined as a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components. These records shall show the monthly use of finishing materials or adhesives used for the manufacture of wood furniture or wood furniture components at the facility.

[40 CFR 63.800(a), 11/21/11]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23) (*State Only)*

8. RESERVED

9. Wastewater Pre-treatment Operations

No emission unit specific monitoring.

10. Chemical Process Tankline Operations – Scrubber Inspections

Boeing Auburn shall inspect each packed bed wet scrubbers used to control acid and alkaline emissions from non-exempt tankline operations as follows:

a. Scrubber Pump Operations Inspections: At least once per quarter, inspect the scrubber pump for proper operation. If during inspection, or any other time, it is discovered that the pump is not operating, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operation being vented to that scrubber. If operations are fixed within 24 hours or the operation remains shut down until the pump is repaired and operating properly, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

b. Flowrate Monitoring: At least once per month or more frequently if required by the NOCOA, verify the liquid flowrate based on the liquid flowrate monitoring system is within the acceptable range. The acceptable range shall be based on the manufacturer's recommendations, but the maximum shall not exceed the design maximum in gallons per minute. The liquid flowrate monitoring system shall be calibrated or zeroed at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent. Boeing Auburn shall keep records of each liquid recirculation flowrate monitoring system calibration and zeroing. The established minimum and maximum flowrate values must be clearly marked on or nearby the gauge or monitoring interface for

each scrubber. If during inspection, or any other time, it is discovered that the flowrate is outside of the acceptable range, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operation being vented to that scrubber. If operations are fixed within 24 hours or the operation remains shut down until the flowrate is within the acceptable range, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 9133, Condition 4, 12/29/04]
[NOCOA 9134, Condition 4, 12/29/04]
[NOCOA 8029, Condition 8, 11/19/07]
[NOCOA 10653, Condition 7, 10/11/13]

c. pH Monitoring: At least once per month or more frequently if required by the NOCOA, verify the pH of each scrubber recirculation fluid is within the acceptable operating ranges for those scrubbers where pH is controlled to ensure good scrubber performance or when an acceptable operating range is required by an NOCOA. The acceptable pH range for these scrubbers will not exceed 4 pH units and will be specified in the O&M plan with the basis of the acceptable pH range. The pH monitoring device shall be calibrated at a frequency in accordance with the manufacturer's recommendations at least annually and shall be accurate to within + 0.5 pH unit. Boeing Auburn shall keep records of each pH monitoring device calibration. The established pH minimum and maximum must be clearly marked on or nearby the gauges or monitoring interfaces. If the pH is not within the established acceptable range, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operation being vented to that scrubber. If the scrubber is fixed within 24 hours or the operation remains shut down until the scrubber is repaired and operating properly, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 9133, Condition 4, 12/29/04]
[NOCOA 9134, Condition 4, 12/29/04]
[NOCOA 8029, Condition 6, 11/19/07]
[NOCOA 10653, Condition 7, 10/11/13]

d. Nozzle Inspections: At least once per month or more frequently if required by the NOCOA, inspect the nozzles of each scrubber for pluggage and even flow patterns. If plugged nozzle(s) or uneven flow patterns are observed during the inspection, or any other time, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operation being vented to that scrubber. If the scrubber is fixed within 24 hours or the operation remains shut down until the scrubber is repaired and operating properly, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 8029, Condition 9, 11/19/07]

e. Differential Pressure Monitoring: At least once per month or more frequently if required by the NOCOA, verify the differential pressure across the scrubber based on the differential monitoring device is within the acceptable range. The acceptable pressure drop range shall be established using either the manufacturer's recommendations, specifications, or instruction. The monitoring devices shall be calibrated in accordance with the manufacturers' specifications and shall be calibrated at least annually. Boeing Auburn shall keep records of each pressure drop monitoring device calibration. The established

minimum and maximum differential pressures must be clearly marked on or nearby the gauges or monitoring interfaces. If the scrubber is operating outside of the acceptable pressure drop range, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operation being vented to that scrubber. If the scrubber is fixed within 24 hours or the operation remains shut down until the scrubber is repaired and operating properly, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 9133, Condition 4, 12/29/04]
[NOCOA 9134, Condition 4, 12/29/04]
[NOCOA 8029, Condition 4, 11/19/07]
[NOCOA 10653, Condition 7, 10/11/13]

f. Leaks and Visible Emissions Monitoring: At least once per month or more frequently if required by the NOCOA, check the scrubber for leaks and the scrubber exhaust for visible emissions. If leaks or visible emissions other than steam are observed, Boeing Auburn shall, within 24 hours of discovering the problem, correct the problem, or shut down the operations being vented to that scrubber. If the scrubber is fixed within 24 hours or the operation remains shut down until the scrubber is repaired and operating properly, Boeing Auburn does not need to report this as a deviation under V.Q.1.b Permit Deviation of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 8029, Condition 9, 11/19/07]

Boeing Auburn shall record the results of all inspections conducted including at a minimum, the date and time of inspection, the observations during the inspection, and any maintenance or corrective action taken as a result of the inspection.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]
[NOCOA 8029, Conditions 4, 6, 8, and 9, 11/19/07]
[NOCOA 10653, Condition 7, 10/11/13]

11. RESERVED

12. Thermal Cutting and Laser Ablation Operations

a. Pressure Drop Monitoring Procedure – Thermal Cutting

Boeing Auburn shall:

i. Install and maintain an operable gauge across to indicate pressure drop across the dust collector filter or HEPA filtration system installed on the thermal cutter dust collection system as specified in the NOCOA.

ii. Continuously monitor the pressure drop across the dust collector filter or HEPA filtration system installed on the thermal cutter dust collection system as specified in the NOCOA.

iii. Read and record the pressure drop across the dust collector filter or the HEPA filtration system installed on the thermal cutter dust collection system at least once per calendar month or, if authorized by the NOCOA, install an interlock system that automatically shuts down the laser cutter system if the pressure differential falls below or above the acceptable limits. Upon determination of no remaining filter capacity, the laser cutting operation shall be temporarily ceased until the filters are replaced.

iv. The acceptable pressure drop range shall be established using either the

manufacturer's recommendations, specifications, or instruction.

[NOCOA 10014, Condition 7 and 8, 4/28/09]
[NOCOA 11453, Condition 5 and 6, 10/12/17]
[NOCOA 11567, Condition 8 and 9, 10/04/18]
[NOCOA 11663, Condition 6 and 7, 1/08/10]
[NOCOA 12327, Condition 6 and 7, 6/12/23]

b. Visible Emission Monitoring Procedure – Thermal Cutting

Boeing Auburn shall inspect visible emissions from dust collectors which exhaust to the outside atmosphere at least monthly while the thermal cutter is in operation on calendar months when thermal cutting occurs. If visible emissions are observed outside of the building, Boeing Auburn shall either:

i. take corrective action until there are no visible emissions, or

ii. shut down the laser cutter until the dust collector is repaired.

The results of the inspection shall be logged. On calendar months when no thermal cutting operation occur, Boeing Auburn shall make a record of no laser cutting.

[NOCOA 10014, Condition 8, 4/28/09]
[NOCOA 12327, Condition 9, 6/12/23]

c. Recordkeeping Procedure – Thermal Cutting and Laser Ablation Operations

Boeing Auburn shall record the results of all inspections conducted in accordance with NOCOAs issued for laser cutting systems. Records shall include at a minimum, the date and time of 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 inspection.

[NOCOA 10014, Condition 8, 4/28/09]
[NOCOA 11453, Condition 8, 10/12/17]
[NOCOA 11567, Condition 11, 10/04/18]
[NOCOA 11663, Condition 9, 1/08/10]
[NOCOA 12327, Condition 9, 6/12/23]

C. NOCOA, Regulatory Order and PSD Permit Specific Monitoring, Recordkeeping and Reporting

1. Facility-wide Emission Limit Monitoring, Recordkeeping and Reporting – Regulatory Order 10427

a. 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.

[Regulatory Order 10427, Condition 2, 12/12/12]

b. 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.

   i. 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.

   ii. 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.

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

   [Regulatory Order 10427, Condition 3, 12/12/12]

c. 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.

   i. Boeing Auburn shall calculate emissions of NOx and CO from combustion using emission factors approved by the Agency and fuel consumption data.

   ii. 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. 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.

   [Regulatory Order 10427, Condition 4, 12/12/12]

d. 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.

   [Regulatory Order 10427, Condition 5, 12/12/12]

e. 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.

[Regulatory Order 10427, Condition 6, 12/12/12]

f. Boeing Auburn may deduct for VOC containing materials that are shipped off site as liquid or solid waste from the VOC calculations (II.C.1(c)) if the amount of waste subtracted is calculated using the methods described in a written plan that is pre-approved by the Agency.

[Regulatory Order 10427, Condition 7, 12/12/12]

2. Monitoring, Recordkeeping and Reporting Requirements - NOCOA 7279

Within 30 days of the end of each 12-month period, Boeing Auburn shall:

a. Calculate monthly VOC emissions from the operations in the two spray booths permitted under NOCOA 7279 (Asset #12355 and 12356); and

b. Notify the Agency, in writing, if VOC emissions from the operations in the two spray booths permitted under NOCOA 7279 (Asset #12355 and 12356) during the previous 12-month period exceed 27 tons.

Calculations shall be made available to the Agency upon request.

[NOCOA 7279, Condition 7, 02/24/98]

3. Monitoring and Recordkeeping Requirements – NOC 10234

a. Boeing Auburn shall maintain manufacturer's SDS, or other manufacturer-supplied data on the lubricant used in the Asset #25201 dry lubricant spray booth.

b. Within 30 days of the end of each 12-month period, Boeing Auburn shall calculate the VOC emissions from the spray booth for the latest 12 month period.

[NOCOA 10234], Conditions 9 and 11, 1/11/11]

4. NO_x and CO Monitoring - NOCOA 10730

If asset #11116072 (natural gas autoclave permitted under NOCOA 10730) is operated during the terms of this permit, Boeing Auburn shall determine compliance with NO_x and CO emission limits at least once within one year of startup using one of the methods specified below:

a. Conduct compliance testing using a hand-held analyzer to determine NOx and CO emissions from the autoclave at various firing rates from at least three process cycles.

b. Conduct compliance testing using EPA Reference Methods 3A, 7E and Method 10. Measurements will be for a minimum of 60 minutes. Compliance will be determined by taking the average of three separate runs.

Emission testing shall be conducted in accordance with Section V.N of the permit.

[WAC 173-401-630(1), 10/17/02 *(State Only)*]

5. Laser System Visible Emission Monitoring - NOCOA 11567

Boeing Auburn shall conduct monthly visible emissions inspections on the laser ablation system permitted under NOCOA 11567 (Dust Collector Asset #24120) 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.

[NOCOA 11567, Condition 7, 10/04/18]

6. Laser System Recordkeeping Requirements - NOCOA 12327

Boeing Auburn shall maintain operating logs or other records of production data for the laser cutter when cutting stainless steel in the machine (Dust Collector Asset #11202636).

[NOCOA 12327, Condition 3, 6/12/23]

7. Tank and Scrubber Monitoring Requirements – NOC 10540

Boeing Auburn shall conduct the following inspections on the R&D tank line in Building 17-08 vented to the packed bed scrubber (Asset #64252) on at least a monthly basis and maintain records of these inspections:

a. Verify the number of tanks in operation at time of inspection does not exceed 6 tanks.

b. Verify Tank A18 and A20 are covered if not in use.

c. If Tank A18 or A20 are used for chromium plating, check and record the surface tension of the tank using a stalagmometer or tensiometer.

[NOCOA 10540, Conditions 7, 10/25/12]
[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

Section III: Prohibited Activities

Where an applicable requirement in this Section II requires a record or document to be generated and/or maintained, that record or document may be in hard copy form or computer readable (electronic) form unless otherwise specified.

A. Adjustment for Atmospheric Conditions

Boeing Auburn shall not vary the rate of emission of a pollutant according to atmospheric conditions or ambient concentrations of that pollutant except as directed according to air pollution episode regulations.

[WAC 173-400-205, 3/22/91]

B. Outdoor Burning

1. It shall be unlawful for any person to cause or allow any outdoor burning unless the burning is in compliance with WAC 173-425 and WAC 173-430.

   [PSCAA Reg. I, Section 8.04, 01/01/01, 11/01/08 (*State Only*)]

2. No outdoor fire may be ignited during an air pollution episode declared by Ecology or during a period of impaired air quality declared by Ecology or the local air authority, and in the geographic area covered by such declaration, as provided in WAC 173-425-050(3).

   [WAC 173-425-050(3), 04/13/00

3. Hand-held fire extinguishers training shall be conducted in accordance with PSCAA's Regulation I, Section 8.07.

   [PSCAA Reg. I, Section 8.07, 9/9/99 (*State Only*)];]

C. Refuse Burning

It shall be unlawful for any person to cause or allow the burning of combustible refuse except in a multiple chamber incinerator provided with control equipment. It shall be unlawful for any person to cause or allow the operation of refuse burning equipment any time other than daylight hours.

[PSCAA Reg. I, Section 9.05, 12/9/93]

D. Concealment or Masking

1. It shall be unlawful for any person to cause or allow the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminant emitted, conceals an emission of air contaminant which would otherwise violate PSCAA Regulation I, Article 9.

   [PSCAA Reg. I, Section 9.13(a), 6/9/88]

2. It shall be unlawful for any person to cause or allow the installation or use of any device or use of any means designed to mask the emission of an air contaminant which causes detriment to health, safety or welfare of any person.

   [PSCAA Reg. I, Section 9.13(b), 6/9/88]

E. NESHAP 40 CFR 60 Circumvention

Boeing Auburn shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable

(40 CFR Part 60) standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12, 3/8/74]
PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

F. NESHAP 40 CFR 61 Circumvention

Boeing Auburn shall not build, erect, install, or use any article machine, equipment, process, or method, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size .

[40 CFR 61.19, 11/7/85]

G. NESHAP 40 CFR 63 Circumvention

Boeing Auburn shall not build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard adopted under 40 CFR Part 63. Such concealment includes, but is not limited to:

1. The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; and

2. The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions.

[40 CFR 63.4(b), 4/5/02]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

H. Tampering

No person shall render inaccurate any monitoring device or method required under chapter 70A.15 or 70A.25 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto.

[WAC 173-400-105(8), 11/25/18]
[RCW 70A.15 and 70A.25]

I. False Statement

No person shall make any false material statement, representation or certification in any form, notice or report required under chapter 70A.15 or 70A.25 RCW, or any ordinance, resolution, regulation, permit or order in force pursuant thereto.

[WAC 173-400-105(6), 11/25/18]
[RCW 70A.15 and 70A.25

Compliance with the applicable requirements of this Section III shall be monitored by Boeing Auburn through Documentation on File per Section II.A.3.b of this permit, and Facility Inspections per Section II.A.1.c of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

Section IV: Activities Requiring Additional Approval

Where applicable, Boeing Auburn shall file notification and obtain any necessary approval from PSCAA before conducting any of the following:

A. New Source Review

1. Except for the exemptions provided PSCAA Regulation I, 6.03(b) and (c), it shall be unlawful for any person to cause or allow the establishment of a new source, or the replacement or substantial alteration of control equipment installed on an existing source, unless a "NOC application" has been filed and an "OA" has been issued by PSCAA. The exemptions in PSCAA Regulation I, 6.03(b) and (c) do not apply to projects or sources identified in PSCAA Regulation I, 6.03(a)(1) – (5).

[PSCAA Reg. I, Section 6.01(a), 6/07/18, 7/23/20 (*State Only*)]
[PSCAA Reg. I, Section 6.03(a) and (c), 9/24/15]
[WAC 173-400-110(1)(c)(i), (1)(d) and (1)(e), 12/29/12]
[WAC 173-400-114, 12/29/12]
[40 CFR 60.7(a), 02/ 12/99; 40 CFR 60.14, 10/ 17/00; 40 CFR 60.15(d); 40 CFR 63.5, 04/05/02]
[RCW 70.94.152, 1996 c67§1 , 1996 c29§1 *(State Only)*]9/28/23

2. It shall be unlawful to cause or allow the operation of any source in violation of any provision of Part 60, Title 40 of the CFR (excluding Subparts B, S, BB, and AAA) in effect as of the federal regulation reference date listed in Regulation I, Section 3.25.

PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

B. New Source Notification

Except for projects or sources identified in PSCAA Regulation I, 6.03(a)(1) – (5), a NOC application and NOCOA are not required for the new sources identified in PSCAA's Regulation I, Section 6.03(b), provided that a complete notification is filed with PSCAA. It shall be unlawful for any person to cause or allow establishment of a new source identified in PSCAA's Regulation I, Section 6.03(b) unless a complete notification has been filed with PSCAA.

Except for projects or sources identified in PSCAA Regulation I, 6.03(a)(1) – (5), a NOC application and NOCOA are not required for the new sources identified in PSCAA's Regulation I, Section 6.03(c), and no notification need be filed with PSCAA. Sufficient records must be kept to document the exemption.

[PSCAA Reg. I, Section 6.03(b) & (c), 9/24/15]

C. Notice of Completion

Within 30 days of completion of the installation or modification of a stationary source required to file a Notice of Construction application and obtain an Order of Approval in accordance with Regulation I, Section 6.03(a), Boeing Auburn shall file a Notice of Completion with PSCAA. Each Notice of Completion shall be submitted on a form provided by PSCAA, and shall specify the date upon which operation of the stationary source has commenced or will commence.

[PSCAA Reg. I, Section 6.09, 3/25/04*]*

D. Prevention of Significant Deterioration (PSD)

For a major modification to an existing major stationary source, as defined in WAC 173-400-720, no major modification is authorized to begin actual construction without having received a PSD

permit from the Department of Ecology. The Department of Ecology is the permitting agency for the PSD program in WAC 173-400-700 through -750.

[PSCAA Reg. I, Section 6.01, 6/07/18, 7/23/20 (*State Only*)]
[WAC 173-400-113(5), 12/29/12; 173-400-700 through -750, 12/29/12]

E. Asbestos

1. Boeing Auburn shall comply with the applicable requirements of 40 CFR 61.145 (standard for demolition and renovation) and 61.150 (standard for waste disposal for manufacturing, fabricating, demolition, renovation, and spraying operations) when conducting any renovation or demolition activities at the facility.

   [40 CFR 61.145, 1/16/91]
   [40 CFR 61.150, 9/18/03]
   [PSCAA Regulation I, Section 3.25, 9/22/22]

2. Boeing Auburn shall comply with the applicable requirements of PSCAA Regulation III, Article 4 when conducting asbestos project, renovation or demolition activities at the facility.

   [PSCAA Regulation III, Section 4.03, 5/26/11 (*State Only*)]

F. Nonroad Engines

1. Boeing Auburn shall file a Notice of Intent to Operate for non-road engine(s) that are subject to the notification requirements of PSCAA Regulation I, Article 15.
   a. For nonroad engine with cumulative maximum rated brake horsepower > 2000 BHP, the notification of intent to operate and approval is required before operations begin.
   b. For nonroad engine with cumulative maximum rated brake horsepower > 500 and ≤ 2000 BHP, the notification of intent to operate is required before operations begin.

   [PSCAA Reg. I, Section 15.03 (b)(1) & (c)(1), 12/15/11 *(State Only)*]

2. Boeing Auburn must record the following information for each nonroad engine:
   a. Site address or location;
   b. Date of equipment arrival at the site;
   c. Date of equipment departure from the site;
   d. Engine function or purpose;
   e. Identification of each component as follows:
      i. Equipment manufacturer, model number and its unique serial number;
      ii. Engine model year;
      iii. Type of fuel used with fuel specifications (sulfur content, cetane number, etc.).

   Boeing Auburn must keep the records of the current engine and equipment activity in hard copy or electronic form. These records can be maintained on-site or off-site for at least five years and must be readily available to PSCAA on request.

   [PSCAA Reg. I, Section 15.03 (b)(2), (b)(3) & (c)(3), 12/15/11 *(State Only)*]

3. All nonroad engines must use ultra-low sulfur diesel or ultra-low sulfur bio-diesel (a sulfur content of 15 ppm or 0.0015% sulfur by weight or less), gasoline, natural gas, propane, liquefied petroleum gas (LPG), hydrogen, ethanol, methanol, or liquefied/compressed natural gas (LNG/CNG). A facility that receives deliveries of only ultra-low sulfur diesel or ultra-low sulfur bio-diesel is deemed to be compliant with this fuel standard.

   [PSCAA Reg. I, Section 15.05(a), 12/15/11 *(State Only)*]

4. Nonroad engines are not subject to emission limits set by the SIP.

   [PSCAA Reg. I, Section 15.05(b), 12/15/11 *(State Only)*]

G. Action Procedures

Boeing Auburn, when requested in writing by the Director of the Department of Ecology, shall prepare, in consultation with the department, a source emission reduction plan (SERP). This SERP shall be consistent with good industrial practice and safe operating procedures for reducing the emissions of air contaminants into the ambient air during periods of air pollution alert, warning, and emergency.

[WAC 173-435-050, 1/03/89 *(State Only)*]

Compliance with the applicable requirements of this Section IV shall be monitored by Boeing Auburn through Documentation on File per Section II.A.3.b of this permit, and Facility Inspections per Section II.A.1.c of this permit.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

Section V: Standard Terms and Conditions

A. Duty to Comply

1. Boeing Auburn shall comply with all conditions of this chapter 401 permit. Any permit noncompliance constitutes a violation of chapter 70A.15 RCW and, for federally enforceable provisions, a violation of the Federal Clean Air Act (FCAA). Such violations are grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[WAC 173-401-620(2)(a), 11/4/93 *(State Only)]*

2. It shall be unlawful for any person to cause or allow the operation of any source subject to the requirements of WAC 173-401 without complying with the provisions of WAC 173-401 and any permit issued under its authority.

[PSCAA Reg. I, Section 7.05, 10/28/93]

3. All sources and emission units are required to meet the emission standards of WAC 173-400.

[WAC 173-400-040(1)(a), 9/16/18]]

B. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by Boeing Auburn for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[WAC 173-401-620(2)(c), 11/4/93 *(State Only)*]

C. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

[WAC 173-401-620(2)(d), 11/4/93 *(State Only)*]

D. Duty to Provide Information

Boeing Auburn shall furnish to PSCAA, within a reasonable time, any information that PSCAA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, Boeing Auburn shall also furnish to PSCAA copies of records required to be kept by the permit or, for information claimed to be confidential, Boeing Auburn may furnish such records directly to PSCAA along with a claim of confidentiality. PSCAA shall maintain the confidentiality of such information in accordance with RCW 70A.15.2510.

[WAC 173-401-620(2)(e), 11/4/93 *(State Only)*]

E. Permit Fees

Boeing Auburn shall pay fees as a condition of this permit in accordance with PSCAA's fee schedule in accordance with PSCAA Regulation I, Section 7.07. Failure to pay fees in a timely fashion shall subject Boeing Auburn to civil and criminal penalties as prescribed in chapter 70.A15 RCW.

[PSCAA Reg , Section 7.07, 4/27/23 (State Only)]
[WAC 173-401-620(2)(f), 11/4/93 *(State Only)*; RCW 70A.15]

F. Emissions Trading

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

[WAC 173-401-620(2)(g), 11/4/93 *(State Only)*]

G. Severability

If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable.

[WAC 173-401-620(2)(h), 11/4/93 *(State Only)*]

H. Permit Appeals

This permit or any condition in it may be appealed by filing an appeal with the Pollution Control Hearings Board and serving it on PSCAA within thirty days of receipt, pursuant to RCW 43.21B.310. The provision for appeal in this section is separate from and additional to any federal rights to petition and review under §505(b) of the FCAA.

[WAC 173-401-620(2)(i), 11/4/93 *(State Only))*]

I. Permit Continuation

This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied, if a timely and complete application has been submitted. An application shield granted under WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued or denied if a timely and complete permit application has been submitted.

[WAC 173-401-620(2)(j), 11/4/93 *(State Only)*]

J. Federal Enforceability

1. The terms and conditions of this permit, including any provisions designed to limit a source's potential to emit, are enforceable by the EPA administrator and by citizens under the FCAA.
2. Exceptions. Notwithstanding Condition V.J.1 of this permit, PSCAA shall specifically designate as not being federally enforceable under the FCAA any terms and conditions included in the permit that are not required under the FCAA or under any of its applicable requirements ("*State Only*"). Terms and conditions so designated are not subject to the EPA and affected states review requirements of WAC 173-401-700 through WAC 173-401-820.

[WAC 173-401-625, 11/4/93 *(State Only)*]

K. Inspection and Entry

Upon presentation of credentials and other documents as may be required by law, Boeing Auburn shall allow PSCAA or an authorized representative to perform the following:

1. Enter upon the premises where Boeing Auburn is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the permit; and

4. As authorized by WAC 173-400-105 and the FCAA, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

[WAC 173-401-630(2), 3/5/16 *(State Only),* WAC 173-400-105(3), 11/25/18]
[PSCAA Reg. I: 3.05, 2/10/1994]

L. Schedule of Compliance

For applicable requirements with which the source is in compliance, Boeing Auburn will continue to comply with such requirements.

For applicable requirements that will become effective during the permit term, Boeing Auburn shall meet such requirements on a timely basis.

[WAC 173-401-630(3), 3/5/16 and WAC 173-401-510(2)(h)(iii) *(State Only)*]

M. Compliance Certifications

Boeing Auburn shall submit a certification of compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices once per year. The certification of compliance shall be submitted to the Puget Sound Clean Air Agency in electronic format as an attachment to an e-mail message addressed to facilitysubmittal@pscleanair.gov (or any other email address identified by the Agency) by February 28th of each calendar year for the previous calendar year. The date the document is received by the Agency e-mail system is considered the submitted date of the report. An email message to the Agency with a link to a file-sharing or folder-sharing site requiring a document download by the Agency will not meet the requirement in this section.

Boeing Auburn shall also submit a hardcopy to EPA Region 10 by February 28 at the address below unless the document is required by regulation to be submitted via a Cross-Media Electronic Reporting Regulation (CROMERR) compliant system. If the document(s) must be submitted via CROMERR, it must be submitted electronically via the Compliance and Emissions Data Reporting Interface (CEDRI) section of the Central Data Exchange (CDX).

Clean Air Act Compliance Manager
US EPA Region 10, Mail Stop: 20-C04
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101

Each certification shall include the following:

1. The identification of each term or condition of the permit that is the basis of the certification;

2. The compliance status;

3. Whether compliance was continuous or intermittent; and

4. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with WAC 173-401-615(3)(a).

[WAC 173-401-630(5), 3/5/16 *(State Only)*]
[PSCAA Reg I, Section 7.09(c)]

N. Compliance Determination

1. Emission Testing - General

   a. For the purpose of determining compliance with an emission standard, PSCAA or Ecology shall have the authority to conduct testing of a sourcce or to order Boeing Auburn to have it tested and to report the results to the Agency or Ecology. In the event PSCAA or Ecology conducts the test, Boeing Auburn shall be given an opportunity to observe the sampling and to obtain a sample at the same time.

      [PSCAA Reg. I, Section 3.05(b), 2/10/94]
      [WAC 173-400-105(4), 11/25/18]

   b. Testing of sources for compliance with emissions standards shall be performed in accordance with current U.S. Environmental Protection Agency approved methods unless other methods have been identified in this permit..

      [PSCAA Reg. I, Section 3.07(a), 3/23/06]

   c. Boeing Auburn shall notify PSCAA in writing at least 21 days prior to any compliance test. Notification of a compliance test shall be submitted on forms provided by the Agency. Test notifications using the Agency forms do not constitute test plans. Compliance with this notification provision does not satisfy any obligation found in an order or other regulatory requirement to submit a test plan for Agency review. Notification under Section 3.07(b) of Reg I does not waive or modify test notification requirements found in other applicable regulations.

      [PSCAA Reg. I, Section 3.07(b), 3/23/06*]*

   d. Boeing Auburn, if required by PSCAA to perform a compliance test, shall submit a report to PSCAA no later than 60 days after the test. The report shall include:

      i. A description of the source and the sampling location;

      ii. The time and date of the test;

      iii. A summary of results, reported in units and for averaging periods consistent with the applicable emission standard;

      iv. A description of the test methods and quality assurance procedures employed;

      v. The amount of fuel burned or raw material processed by the source during the test;

      vi. The operating parameters of the source and control equipment during the test;

      vii. Field data and example calculations; and

      viii. A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

      [PSCAA Reg. I, Section 3.07(c), 3/23/06]

2. Credible Evidence

   For the purpose of establishing whether or not a person has violated or is in violation of of any provision of chapter 70.94 RCW, any rule enacted pursuant to that chapter, any permit or order issued thereunder, or 40 CFR Parts 60, nothing in these regulations shall preclude the

use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[PSCAA Reg. I, Section 3.06, 10/8/98]
[RCW 70A.15]
[40 CFR 60.1]
[PSCAA Regulation I, Section 3.25]

O. General Recordkeeping

Boeing Auburn shall maintain in hard copy or computer readable form of the following, where applicable:

1. Records of required monitoring information that include the following:
   a. The date, place as defined in the permit, and time of sampling or measurements;
   b. The date(s) analyses were performed;
   c. The company or entity that performed the analyses;
   d. The analytical techniques or methods used;
   e. The results of such analyses; and
   f. The operating conditions existing at the time of sampling or measurement.

   [WAC 173-401-615(2)(a), 10/17/02 *(State Only)*]
2. Upon notification by the Agency, Boeing Auburn shall maintain records on the type and quantity of emissions from the source and other information deemed necessary by the Agency to determine whether the source is subject to rules and regulations and whether the source is in compliance with applicable emissions limitations and control measures.

   [WAC 173-40--105, 11/25/18]
3. Records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

   [WAC 173-401-615(2)(b), 10/17/02 *(State Only)*]
4. Except for records required to comply with the Washington state program for reporting of emissions of greenhouse gases (GHG), Section V.Q.1.h of this permit, Boeing Auburn shall retain records of all required monitoring data and support information for a period of five years from the date of the monitoring sample, measurement, report, or application. Records required to comply with Section V.Q.1.h of this permit shall be retained by Boeing Auburn for ten years. In addition to the support information for all monitoring samples, measurements, reports and applications, support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

   [WAC 173-401-615(1)(b) and (2)(c), 10/17/02 *(State Only)*]
5. Boeing Auburn shall keep records of all inspections, tests and other actions required by Sections II.A.1, II.A.3, II.B, and II.C of this permit, including the date and the results of the

inspection, tests or other actions including corrective actions. All records required under this item will be available for PSCAA review.

[PSCAA Reg. I, Section 7.09(b), 10/26/23]

P. Data Recovery

1. If the specific monitoring and recordkeeping requirements in Section II of this permit do not address data recovery provisions then the required data recovery is assumed to be 100% except as described in this section. However, no data need be collected during any period that the monitored process does not operate.

2. The Deviation Reports required by Section V.Q.1.b. shall include an explanation for any instance in which Boeing Auburn failed to meet the data recovery requirements of this condition for any monitored process or parameter and any instances of reconstructing lost data. The explanation shall include the reason that the data was not collected and any actions that Boeing Auburn will take to insure collection of such data in the future.

[WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

Q. Reporting & Notification Requirements

1. General Reporting Requirements

a. Semiannual Operating Permit Reports

Boeing Auburn shall submit any monitoring reports required to be submitted by this permit to PSCAA at least once every six months. All instances of deviations from permit requirements must be clearly identified in such reports. All such required reports must be certified by a responsible official consistent with WAC 173-401-520. The report periods and due dates are as shown below:

Reporting period covering January 1 – June 30. Report due date is August 30.

Reporting period covering July 1 – December 31. Report due date is February 28.

[WAC 173-401-615(3)(a), 10/17/02 *(State Only)*]

b. Deviation Reports

Boeing Auburn shall promptly report all deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken.

i. For deviations which represent a potential threat to human health or safety, "prompt" means as soon as possible. Boeing Auburn shall report these deviations by e-mail to facilitysubmittal@pscleanair.gov (or any other email address identified by the Agency) as soon as possible but in no case later than twelve hours after the deviation is discovered. The date and time the document is received by the Agency e-mail system is considered the submitted date of the report.

ii. All other deviations shall be reported by email no later than thirty days after the end of the month during which the deviation is discovered. The report must be submitted to the Agency in electronic format as an attachment to an e-mail message to facilitysubmittal@pscleanair.gov (or any other email address identified by the Agency).

The date the document is received by the Agency e-mail system is considered the submitted date of the report.

Boeing Auburn shall report to PSCAA any instances where it failed to promptly repair any defective equipment.

Boeing Auburn shall maintain a contemporaneous record of all deviations.

A deviation report may be certified by a responsible official as provided in V.Q.1.c. at the time of submittal; however it is not required to be certified at the time of submittal. Any Deviation Report not certified at the time of submittal must be certified in the semiannual Operating Permit Report as per V.Q.1.a.

[WAC 173-401-615(3)(b), 10/17/02 *(State Only)*]
[PSCAA Regulation I, Section 7.09(c), 10/26/23]

c. Certification by Responsible Official

Any application form, report, or compliance certification submitted pursuant to WAC 173-401 shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under WAC 173-401 shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[WAC 173-401-520, 11/4/1993 *(State Only)*]

The following application forms, reports, and compliance certifications must be certified upon submittal:

i. Annual Air Operating Permit Compliance Certification (WAC 173-401-630(5) (3/5/16) *(State Only)*)

ii. Semi-annual Air Operating Permit Report (WAC 173-401-615(3)(a) (10/17/02) *(State Only)*)

iii. Minor Permit Modification Application (WAC 173-401-725 (11/4/93) *(State Only)*)

iv. Significant Permit Modification Application (WAC 173-401-725 (11/4/93) *(State Only)*)

v. Permit Renewal (WAC 173-401-710 (10/17/02) *(State Only)*)

vi. ANESHAP semiannual report (40 CFR 63.753(b)(1) (12/7/15), 40 CFR 63.753(c)(1) (9/1/98))

vii. ANESHAP annual report (40 CFR 63.753(c)(2) (12/7/15))

viii. Boiler NESHAP compliance report (40 CFR 63.7550 (2/7/08))

For all other applications forms, reports, and compliance certifications, the responsible official's certification needs only to be submitted once every six months, covering all such documents that were not certified upon submittal submitted by Boeing Auburn since the date of the last certification, provided that the certification specifically identifies all documents subject to the certification.

[WAC 173-401-615(3)(a) and WAC 173-401-630(5), 10/17/02 *(State Only)*]
[PSCAA Regulation I, Section 7.09(c), 10/]26/23]

d. Reporting Submittal

Boeing Auburn shall submit complete copies of all required compliance reports to Puget Sound Clean Air Agency in electronic format as an attachment to an e-mail message to

facilitysubmittal@pscleanair.gov (or any other email address identified by the Agency). The date the document is received by the Agency e-mail system shall be considered the submitted date of the report. Nothing in this condition waives or modifies any requirements established under other applicable regulations.

[PSCAA Reg I, Section 7.09 (c), 10/26/23]

For all compliance certifications, test reports and monitoring reports required to be submitted to the US Environmental Protection Agency, a hard copy must be sent to the Clean Air Act Compliance Manager at the address below unless the document is required by regulation to be submitted via a Cross-Media Electronic Reporting Regulation (CROMERR) compliant system. If the document(s) must be submitted via CROMERR, it must be submitted electronically via the Compliance and Emissions Data Reporting Interface (CEDRI) section of the Central Data Exchange (CDX).

Clean Air Act Compliance Manager
US EPA Region 10, Mail Stop: 20-C04
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101

e. Annual Emission Inventory

Boeing Auburn shall report annually to PSCAA for those air contaminants that are emitted in amounts equal to or exceeding the following (tons per year) during the previous calendar year:

Carbon monoxide (CO)	25
Facility combined total of all toxic air contaminants (TAC)	6
Any single toxic air contaminant (TAC)	2
Nitrogen oxide (NO_X)	25
Particulate matter (PM_{10})	25
Particulate matter ($PM_{2.5}$)	25
Sulfur oxide (SO_X)	25
Volatile organic compounds (VOC)	25
Lead	0.5

Annual emissions rates shall be reported to the nearest whole ton per year for only those contaminants that equal or exceed the thresholds above, except lead which must be reported to the nearest tenth of a ton. Boeing Auburn shall maintain records of information necessary to document any reported emissions or demonstrate that the emissions were less than the above amounts. Boeing Auburn shall submit to PSCAA any additional information required by WAC 173-400-105(1) or PSCAA Regulation III, Section 1.11.

Boeing Auburn shall report to the Agency the amount of each toxic air contaminant listed in WAC 173-460-150 that the facility emitted during the previous calendar year even if the emissions are below the PSCAA Regulation I, Section 7.09(a) reporting thresholds.

Boeing Auburn may base emission estimates used in the inventory on the most recent published EPA emission factors for a source category, or other information available to the owner and operator, whichever is the better estimate.

[PSCAA Reg. I, Section 7.09(a), 10/26/23]
[WAC 173-400-105(1)]
[Puget Sound Clean Air Agency Regulation III, Section 1.11, State Only

f. Ecology Method 9A Reports

Boeing Auburn shall report to PSCAA results of all opacity monitoring using Ecology Method 9A within 30 days after the end of the month that the measurement occurred. These reports will be certified in accordance with V.Q.1.c. at least semi-annually.

[WAC 173-401-615(3)(a), 10/17/02 *(State Only)*]

g. Washington State Program for Reporting of Emissions of Greenhouse Gases (GHG)

If Boeing Auburn emits 10,000 metric tons of CO2e (carbon dioxide equivalents) or more per calendar year from this facility, as calculated according to WAC 173-441-030(1)(b), GHG reporting is mandatory. Boeing Auburn may voluntarily choose to report to Ecology but must use the methods established in WAC 173-441-120(3) and WAC 173-441-122(1)(c) to calculate any voluntary reported GHG emissions. Once Boeing Auburn is subject to the reporting requirement, Boeing Auburn must continue for each year thereafter to comply with all requirements of WAC 173-441, including the requirement to submit annual GHG reports, even if Boeing Auburn does not meet the applicability requirements in WAC 173-441-030(1) or (2), except as provided in WAC 173-441-030(6)(a)-(c). Reports with a compliance obligation under Chapter 70A.65 RCW, as described in WAC 173-446, must continue to report for any year with a compliance obligation.

[WAC 173-441-030(1), (5) and (6), 3/12/22 (*State Only*)]

For GHG reporting, Boeing Auburn shall follow the procedures for emission calculation, monitoring, quality assurance, missing data, recordkeeping, and reporting that are specified in each relevant section of WAC 173-441. The annual GHG report shall contain the information required by WAC 173-441-050(3) and (4). and be submitted to Ecology following the schedule in WAC 173-441-050(2). For required reporting, Boeing Auburn must retain all required records as specified in WAC 173-441-050(6) for at least 10 years from the date of submission of the annual GHG report for the reporting year in which the record was generated in a form that is suitable for expeditious inspection and review in accordance with WAC 173-441-050(6).

[WAC 173-441-050, 3/12/22 (*State Only*)]

For GHG reporting, each submissions shall be signed by a representative designated in accordance with WAC 173-441-060 and include the signed certification statement in WAC 173-441-060(5)(a). Each GHG report and certification must be submitted electronically in accordance with the requirements in WAC 173-4410050 and 173-441-060 and in a format specified by Ecology.

[WAC 173-441-060 and -070, 3/12/22 (*State Only*)]

All requests, notification, and communication to Ecology pursuant to WAC 173-441, must be submitted in a format as specified by Ecology to either of the following;

- For U.S. mail: Greenhouse Gas Reporting, Air Quality Program, Department of Ecology, PO Box 47600, Olympia, WA 98504-7600.
- For email: ghgreporting@ecy.wa.gov

[Chapter 173-441-100) WAC, 3/12/22 (*State Only*)]

2. Specific Notification & Reporting Requirements

The applicable notification & reporting requirements of 40 CFR 60 Subpart A and 40 CFR 63 Subpart A are identified in Section I.A.2. and I.A.3. of this permit and not repeated in this section.

a. ANESHAP Notification & Reporting Requirements

i. Notification of Compliance Status. No later than 240 days after the startup date of a new or reconstructed affected source, or 60 days after the performance test (if one is performed), whichever is earlier, the facility shall submit a Notification of Compliance Status to PSCAA Operating Permit Certification in accordance with Reqmt. No. I.A.3.13 (40 CFR Section 63.753(a)(1), 12/7/15, and the applicable provision of 40 CFR Section 63.9(h)(5/30/01)).

[40 CFR Section 63.753(a)(1), 12/7/15 and 40 CFR Section 63.9(h), 5/30/03]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

ii. Semiannual Compliance Reports. Boeing Auburn shall submit a semiannual compliance report to PSCAA Operating Permit Certification in accordance with Sections V.Q.1.a. and V.Q.1.c. (40 CFR 63.753(b)(1), (c)(1) and (d)(1))

This semiannual report shall include the following:

a) Any instance where a noncompliant cleaning solvent (i.e., a hand-wipe cleaning solvent not meeting the requirements of Reqmt. No. I.B.1.23 of this permit) is used for a nonexempt hand-wipe cleaning operation;

b) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in 40 CFR 63.744(b)(1), Reqmt. No. I.B.1.23 of this permit.

c) Any instances where a noncompliant spray gun cleaning method (a spray gun cleaning method not meeting the requirements of Reqmt. No. I.B.1.24 of this permit) is used;

d) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days contrary to Reqmt. No. I.B.1.29 of this permit;

e) If the cleaning operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Boeing Auburn shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements in Reqmt. Nos. I.B.1.15 through I.B.1.32.

f) For primers, topcoats and specialty coatings where compliance is not being achieved through the use of averaging or a control device, the HAP or VOC content in manufacturer's supplied data as recorded under Section II.B.1.e (40 CFR 63.752(c)), or each value of Hi and Gi, as recorded under Section II.B.1.e (40 CFR 63.752(c)(2)(i)), that exceeds the applicable organic HAP or VOC content limit in Reqmt. Nos. I.B.1.35 through I.B.1.40 of this permit as determined according to Reqmt. No. I.B.1.45 for primers, and Reqmt. No. I.B.1.50 for topcoats; and Reqmt. No. I.B.1.51 for specialty coatings;

g) For primers, topcoats, and specialty coatings where compliance is being achieved through the use of averaging, each value of Ha and Ga, as recorded under Reqmt. No II.B.1.e (40 CFR 63.752(c)(4)(i)), that exceeds the applicable organic HAP or VOC content limit in Conditions I.B.1.35 through, I.B.1.40 of this permit as determined according to Reqmt. No. I.B.1.45 of this permit for primers, Reqmt. No. I.B.1.50 of this permit topcoats, Reqmt. No. I.B.1.51 for specialty coatings.

h) All times when a primer or topcoat application operation was not immediately shut down when the pressure drop across a dry particulate filter or HEPA filter system was outside the limit(s) specified by the filter or booth manufacturer or in locally prepared operating procedures;

i) If the primer and topcoat operations have been in compliance for the semiannual period, a statement that the operations have been in compliance with the applicable standards in Reqmt. Nos. I.B.1.33 through I.B.1.43 as determined according with Reqmt. Nos. I.B.1.44 through I.B.1.52 of this permit, and the applicable standards in I.B.1.53 through I.B.1.61 as determined in accordance with I.B.1.62 through I.B.1.63.

j) RESERVED

[40 CFR 63.753(a)(5), (b)(1), (c)(1) and (d)(1), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

iii. Annual ANESHAP Compliance Certification Reports. Boeing Auburn shall submit an annual compliance certification report to PSCAA Operating Permit Certification by February 28 of each year for the period covering the preceding calendar year in accordance with 40 CFR 63.753(c)(2), 12/7/15.

[40 CFR 63.753(c)(2) & (d)(2), 12/7/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

b. Boiler NESHAP Notification & Reporting Requirements

i. RESERVED

ii. Notification of Fuel Switch or Physical Change. If Boeing Auburn has switched fuels or made a physical change to the boiler and the fuel switch or physical change resulted in the applicability of a different subcategory, Boeing Auburn must provide notice of the date upon which Boeing Auburn switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:

- The name of the owner or operator of the affected source, as defined in 40 CFR 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.

- The currently applicable subcategory under NESHAP, Subpart DDDDD.
- The date upon which the fuel switch or physical change occurred.

[40 CFR 63.7545 (h), 11/20/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

iii. Compliance Report Schedule. Unless the EPA Administrator or PSCAA has approved for a different schedule for submission of reports under Reqmt. No. I.A.3.13 (40 CFR 63.10(a)), Boeing Auburn may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (a) through (d) of this section, instead of a semi-annual compliance report.

a) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified 40 CFR 63.7495.

b) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

c) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

d) Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

[40 CFR 63.7550 (b), 11/20/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

iv. Compliance Report. The compliance report shall contain the following information.

- Company and Facility name and address.
- Process unit information, emissions limitations, and operating parameter limitations.
- Date of report and beginning and ending dates of the reporting period.
- The total operating time during the reporting period.
- Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to Reqmt. No. I.B.2.3, (40 CFR 63.7540(a)(10), (11), or (12), respectively). Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

- If there are no deviations the requirements for work practice standards in Reqmt. No. I.B.2.2 (Table 3 to NESHAP, Subpart DDDDD), a statement that there were no deviations from work practice standards during the reporting period.
- Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

[40 CFR 63.7550 (c)(1) and Table 9 to Subpart DDDDD, 11/20/15]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

v. Submittal using CDX. Boeing Auburn must submit the compliance report electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX)(www.epa.gov/cdx). However, if the reporting form specific to NESHAP, Subpart DDDDD is not available in CEDRI at the time that the report is due Boeing Auburn must submit the report to the Administrator at the appropriate address listed in 40 CFR 63.13. At the discretion of the Agency, Boeing Auburn must also submit the report, to the Agency in the format specified by the Agency.

[40 CFR 63.7550 (h)(3), 1/31/13]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

c. RICE NESHAP (40 CFR 63 Subpart ZZZZ) Notification & Reporting Requirements

Boeing Auburn must submit the initial notification in accordance with 40 CFR 63.9(b), that applies by the date specified for a new or reconstructed stationary RICE with a site rating of more than 500 brake HP. The initial notification shall be submitted not later than 120 days after the RICE becomes subject to NESHAP, Subpart ZZZZ.

If Boeing Auburn is required to submit an initial notification but are otherwise not affected by the requirements of this subpart, in accordance with 40 CFR 63.6590(b), the notification should include the information in 40 CFR 63.9(b)(2)(i) through (v), and a statement that the stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

[40 CFR 63.6645(a), (c) & (f), 11/19/20]
PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)*
PSCAA Reg. I, Section 3.25 (9/28/23)

3. Summary of Required Submittals

The following table contains a summary of the application forms, reports, notifications and compliance certifications to be submitted pursuant this permit.

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
Applications			
NESHAP Application for Approval of Construction or Reconstruction	40 CFR 63.5(d)(1)	As soon as possible prior to construction if NESHAP in effect. No later than 60 days after effective date of standard if not in effect.	Yes, within 6 months

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
Administrative permit amendment request (VI.B. Administrative Permit Amendments)	WAC 173-401-720	Can make change immediately on submission	No
Minor permit modification application (VI.D. Permit Modification)	WAC 173-401-725	Can make change immediately after filing application.	Yes; Upon submittal
Significant permit modification application (VI.E. Permit Modification)	WAC 173-401-725	As needed.	Yes; Upon submittal
Chapter 401 Permit renewal application	WAC 173-401-710(1)	Submitted no less than six months prior to the expiration of the permit.	Yes; Upon submittal
PSD permit applications (IV.A. New Source Review)	WAC 173-400-141	Before construction begins.	Yes, within 6 months
NOC and Application for Approval (IV.A. New Source Review IV.B Replacement or Substantial Alteration of Emission Control Technology)	PSCAA Reg. I, Article 6	Before construction begins.	Yes, within 6 months
Compliance Certifications			
ANESHAP Semiannual report (V.Q.2.a.ii. – ANESHAP Semiannual Compliance Certification)	40 CFR 63.753(b)(1) 40 CFR 63.753(c)(1)	Semiannually, by August 30th for the reporting period of January through June and by February 28th for the reporting period of July through December.	Yes; Upon submittal
ANESHAP annual report (V.Q.2.a.iii. Annual Compliance Certification Reports)	40 CFR 63.753(c)(2)	Annually, by February 28 for the reporting period of January through December of the previous year.	Yes; Upon submittal
Operating Permit Compliance certification (V.M. Compliance Certifications)	WAC 173-401-630(5)	Annually – February 28 for the previous calendar year. *Note: (This Report must be submitted to both EPA and PSCAA)*	Yes; Upon submittal

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
Compliance Reports			
Periodic startup, shutdown, malfunction report	40 CFR 63.10(d)(5)(i)	Semiannually, by August 30th for the reporting period of January through June and by February 28th for the reporting period of July through December.	Yes; within 6 months
Immediate SSM report	40 CFR 63.10(d)(5)(ii)	Telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event.	Yes for 7 day report; within 6 months
Boiler NESHAP Compliance Report (V.Q.2.b.iii)	40 CFR 63.7550 (b)	January 31st on an annual, biennial, or 5-year compliance period, as applicable.	Yes; Upon submittal
Semiannual operating permit monitoring and deviation report (V.Q.1.a. Semiannual Operating Permit Reports)	WAC 173-401-615(3)(a)	August 30 for period January 1-June 30 and February 28 for period July 1-December 31.	Yes; Upon submittal
Permit deviations which represent a potential threat to human health or safety (V.Q.1.b.) Deviation Reports)	WAC 173-401-615(3)(b)	As soon as possible but no later than 12 hours of discovery of the deviation.	Yes; within 6 months
Other permit deviations including failure to repair any defective equipment (V.Q.1.b. Deviation Reports)	WAC 173-401-615(3)(b)	Within 30 days after the end of the month in which the deviation is discovered. Note: If Boeing Auburn is claiming the emergency defense of WAC 173-401-645 the report must be submitted within two working days.	Yes; within 6 months
Unavoidable Excess Emissions (V.R. Unavoidable excess emissions)	WAC 173-400-107	Excess emissions which represent a potential threat to human health or safety or which Boeing Auburn believes to be unavoidable shall be reported as soon as possible. Other excess emissions shall be reported within thirty days after the end of the month during which the event occurred or as part of the routine emission monitoring reports.	Yes; within 6 months

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
Greenhouse Gas Emission Report (V. Q.1.h.)	WAC 173-441	If triggered, annually by March 31st for GHG emissions in the previous calendar year.	No, but must be certified by designated representative, as determined by WAC 173-441)
Emission inventory statement (V.Q.1.e. Annual Emission Inventory	PSCAA Reg. I, 7.09(a)	Annually, by June 30th for the previous reporting period, or by a different date if specified by PSCAA.	Yes; within 6 months
Report of Problems not Corrected within 24 hours (V.Q.1.g.i)	WAC 173-401-615(3)	Report within 24 hours of discovery, unless Boeing is able to shut down or fix the problem within 24 hours.	Yes; within 6 months
Notifications			
Compliance Test Notification (V.N.1.c.)	PSCAA Reg. I, Section 3.07(b)	At least 21 days prior to compliance test.	No
Notice of Completion (IV.C)	PSCAA Reg. I, Section 6.09	Within 30 days of completion of the installation or modification	No
NSPS Notification of the date of construction or reconstruction	40 CFR 60.7(a)(1) PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Postmarked no later than 30 days after date of construction or reconstruction	No
NSPS Initial Startup Notification	40 CFR 60.7(a)(3) PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Postmarked within 15 days after the actual startup date.	No

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
NSPS Notification of physical or operational change which may increase emission rate to which an NSPS standard applies, unless the change exempted under 40 CFR 60.14(e)	40 CFR 60.7(a)(4) PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Postmarked 60 days or as soon as practicable before the change is commenced.	No
NSPS Performance Test Notification	40 CFR 60.8 (d) PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	30 days prior to test.	No
NSPS Reconstruction Notification	40 CFR 60.15(d) PSCAA Reg. I, Section 6.11 (9/26/02) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	If the fixed capital cost exceeds 50%, Boeing Auburn must notify PSCAA of the proposed replacement 60 days (or as soon as practicable) before construction is commenced. The notice must include the information requested in §60.15(d)(1) through (d)(7).	No
NESHAP Notification of non-major affected source	40 CFR 63.5(b)(4) 40 CFR 63.743(a)(10) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	For major sources, see timeline in 63.5(d).	No

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
NESHAP Initial Startup Notification	40 CFR 63.9(b) 40 CFR 63.5(b)(4) 40 CFR 63.743(a)(10) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	No later than 120 days after initial startup.	No
NESHAP Notice of Compliance Status	40 CFR 63.9 (h) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Following completion of the relevant compliance demonstration activity specified in the relevant standard.	No
RICE Initial Notification	40 CFR 63.6645 (11/19/20) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	120 days after the RICE becomes subject to NESHAP, Subpart ZZZZ	No
Boiler NESHAP Notification of Fuel Switch or Physical Change	40 CFR 63.7545 (h) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Within 30 days of the switch/change	No

Submittal	Required By	Paraphrased Frequency or Due Date	Certification Required per AOP section V.Q.1.c
Boiler NESHAP Notification of Alternative Fuel Use During Curtailment or Interruption	40 CFR 63.7545 (f) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Within 48 hours of the declaration of each period of natural gas curtailment or supply interruption.	No
NESHAP Performance Test Notification	40 CFR 63.9(e) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	At least 60 calendar days before the performance test is scheduled to begin	No
NESHAP- Notice of Change of Information Provided	40 CFR 63.9 (j) PSCAA Reg. III, Section 2.02 (4/23/15) (*State Only)* PSCAA Reg. I, Section 3.25 (9/28/23)	Within 15 calendar days after the change	No
Notice of Off Permit Changes	WAC 173-401-724	Contemporaneous with the change.	No
Notice of Changes not Requiring Permit Revisions	WAC 173-401-722	At least seven days prior to making the proposed changes	No
Notice of Intent to Operate Nonroad Engines	PSCAA Reg. I, Section 15.03 WAC 173-400-035	Prior to beginning operation	No
Asbestos Project Notification (IV.E.2)	PSCAA Reg. III, Section 4.03	Up to 10 days prior	No

R. Excess Emissions

Section V.R.1 is in effect until the effective date of EPA's removal of the September 20, 1993, version of WAC 173-400-107 from the PSCAA SIP. This section is not effective starting on that date.

1. Boeing Auburn shall have the burden of proving to the Agency in an enforcement action that excess emissions were unavoidable. Excess emissions which represent a potential threat to human health or safety or which Boeing Auburn believes to be unavoidable shall be reported

to the Agency as soon as possible. Other excess emissions shall be reported within thirty days after the end of the month during which the event occurred or as part of the routine emission monitoring reports. Upon request by the Agency, Boeing Auburn shall submit a full written report including the known causes, the corrective actions taken, and the preventive measures to be taken to minimize or eliminate the chance of recurrence.

[WAC 173-400-107(1) & (3), 9/20/93; *9/16/18 (State Only)*]

a. Excess emissions determined to be unavoidable in accordance with V.R.1.b, V.R.1.c or V.R.1.d shall be excused and not subject to penalty.

[WAC 173-400-107(2), 9/20/93, *9/16/18 (State Only)*]

b. Excess emissions due to startup or shutdown conditions shall be considered unavoidable provided Boeing Auburn reports as required by WAC 173-400-107(3) in V.R.1 and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.

[WAC 173-400-107(4), 9/20/93, *9/16/18 (State Only)*]

c. Excess emissions due to scheduled maintenance shall be considered unavoidable if Boeing Auburn reports as required by WAC 173-400-107(3) in V.R.1 and adequately demonstrates that the excess emissions could not have been avoided through reasonable design, better scheduling for maintenance or through better operation and maintenance practices.

[WAC 173-400-107(5), 9/20/93, *9/16/18 (State Only)*]

d. Excess emissions due to upsets shall be considered unavoidable provided Boeing Auburn reports as required by WAC 173-400-107(3) in V.R.1 and adequately demonstrates that:

i. The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;

ii. The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance; and

iii. The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.

[WAC 173-400-107(6), 9/20/93, *9/16/18 (State Only)*]

Section V.R.2 takes effect on the effective date of EPA's removal of the September 20, 1993, version of WAC 173-400-107 from the PSCAA SIP.

2. Boeing Auburn shall notify the Agency by phone or electronic means as soon as possible, but not later than twelve hours after the excess emissions were discovered when excess emissions represent a potential threat to human health or safety. For all other excess emissions, Boeing Auburn shall notify the Agency in a report as provided in Section V.R.2.a.

[WAC 173-400-108(1), 9/26/18, *State Only*]

a. Boeing Auburn must report all excess emissions to the Agency in accordance with the reporting requirements in WAC 173-401-615(3) in V.Q.1.a Semiannual Operating Reports and V.Q.1.b Deviation Reports. To claim emissions as unavoidable under WAC 173-400-109, the report must contain the information in WAC 173-400-108(4):

i. Properly signed contemporaneous records or other relevant evidence documenting Boeing Auburn's actions in response to the excess emissions event;

ii. Information on whether the installed emission monitoring and pollution control systems were operating at the time of the exceedance. If either or both systems were not operating, information on the cause and duration of the outage; and

iii. All additional information required under WAC 173-400-109(5) supporting the claim that the excess emissions were unavoidable.

[WAC 173-400-108(2), and (4)), 9/26/18, *(State Only)*]

b. Excess emissions determined to be unavoidable under the procedures and criteria in this section are violations of the applicable statute, rule, permit, or regulatory order.

i. The permitting authority determines whether excess emissions are unavoidable based on the information supplied by the source and the criteria in Section V.R.2.f.

ii. Excess emissions determined by the Agency to be unavoidable are:

- A violation subject to WAC 173-400-230(3), (4), and (6); but
- Not subject to civil penalty under WAC 173-400-230(2).

[WAC 173-400-109(1), 9/26/18 *(State Only)*]

c. Boeing Auburn shall have the burden of proving to the permitting authority in an enforcement action that excess emissions were unavoidable. This demonstration shall be a condition to obtaining relief under Section V.R.2.f.

[WAC 173-400-109(2), 9/26/18 *(State Only)*]

d. WAC 173-400-109 Unavoidable Excess Emissions in V.R.2.b does not apply to an exceedance of an emission standard in 40 CFR Parts 60, 61, 62, 63, and 72, or an Agency's adoption by reference of these federal standards.

[WAC 173-400-109(3) 9/26/18 *(State Only)*]

e. Excess emissions that occur due to an upset or malfunction during a startup or shutdown event are treated as an upset or malfunction under in accordance with V.R.2.f.

[WAC 173-400-109(4), 9/26/18 *(State Only)*]

f. Excess emissions due to an upset or malfunction will be considered unavoidable provided Boeing Auburn reports as required by Section V.R.2.a and adequately demonstrates to the permitting authority that:

a. The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;

b. The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance;

c. When the operator knew or should have known that an emission standard or other permit condition was being exceeded, the operator took immediate and appropriate corrective

action in a manner consistent with safety and good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action. Actions taken could include slowing or shutting down the emission unit as necessary to minimize emissions;

d. If the emitting equipment could not be shut down during the malfunction or upset to prevent the loss of life, prevent personal injury or severe property damage, or to minimize overall emissions, repairs were made in an expeditious fashion;

e. All emission monitoring systems and pollution control systems were kept operating to the extent possible unless their shut down was necessary to prevent loss of life, personal injury, or severe property damage;

f. The amount and duration of the excess emissions (including any bypass) were minimized to the maximum extent possible; and

g. All practicable steps were taken to minimize the impact of the excess emissions on ambient air quality.

[WAC 173-400-109(5), 9/26/18 *(State Only)*]

S. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for Boeing Auburn in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

[WAC 173-401-620(2)(b), 11/4/93 *(State Only)*]

T. Stratospheric Ozone and Climate Protection

1. Boeing Auburn shall comply with the following standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

   a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

   b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158; and

   c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

   [40 CFR 82.156, 11/18/16; 40 CFR 82.158, 11/18/16; 40 CFR 82.161, 11/18/16]

2. Boeing Auburn may switch from any ozone-depleting substance to any alternative approved pursuant to the Significant New Alternatives Program (SNAP), 40 CFR Part 82, Subpart G, without a permit revision but shall not switch to a substitute listed as unacceptable pursuant to such program.

   [40 CFR 82.174, 1/13/95]

3. Any certified technician employed by Boeing Auburn shall keep a copy of their certification at their place of employment.

[40 CFR 82.166(1), 11/18/16]

4. Boeing Auburn shall not willfully release any regulated refrigerant and shall use refrigerant extraction equipment to recover regulated refrigerant when servicing, repairing or disposing of commercial air conditioning, heating, or refrigeration systems.

   [40 CFR 82.154, 12/27/96]
   [RCW 70A.60.070(1) and (3) (*State Only*)]

5. Compliance with the applicable requirements of this Section V.T shall be monitored by Boeing through Facility Inspections conducted per Section II.A.1.c (Facility Inspections) of this permit.

   [WAC 173-401-615(1)(b), 10/17/02 *(State Only)*]

U. RACT Satisfied

Emission standards and other requirements contained in rules or regulatory orders in effect at the time of this permit issuance or renewal shall be considered RACT for the purposes of issuing this permit.

[WAC 173-401-605(3), 11/4/93 *(State Only)*]
[PSCAA Reg. I, Section 3.04(g), 5/24/12]

V. Risk Management Programs

In accordance with 40 CFR Part 68.10, if Boeing Auburn has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, Boeing Auburn shall comply with the requirements of the Chemical Accident Prevention Provisions of 40 CFR Part 68 no later than the following dates:

1. Three years after the date on which a regulated substance is first listed under 40 CFR 68.130;

2. The date on which a regulated substance is first present above a threshold quantity in a process; or

3. For any revisions to 40 CFR Part 68, the effective date of the final rule revision.

[40 CFR 68.10, 12/19/19]

W. Definitions

Unless otherwise defined in this permit, the terms used in this permit shall have the same meaning ascribed to them in the referenced regulation.

[WAC 173-401-200, 3/5/16]

X. Insignificant Emission Units and Activities

1. For the purpose of this permit, an emission unit or activity is insignificant based on one or more of the following:

   a. Actual emissions of all regulated air pollutants from a unit or activity are less than the emission thresholds established in WAC 173-401-530(4).

   b. The emission unit or activity is listed in WAC 173-401-532 as categorically exempt.

c. The emission unit or activity is listed in WAC 173-401-533 and is considered insignificant if its size or production rate based on maximum rated capacity is below the specified level.

d. The emission unit or activity generates only fugitive emissions as defined in WAC 173-400-030(41).

[WAC 173-401-530(1), 10/17/02 *(State Only)*]

2. No emissions unit or activity subject to a federally enforceable applicable requirement (other than generally applicable requirements of the state implementation plan) shall qualify as an insignificant emissions unit or activity. Generally applicable requirements of the state implementation plan are those federally enforceable requirements that apply universally to all emission units or activities without reference to specific types of emission units or activities.

[WAC 173-401-530(2), 10/17/02 *(State Only)*]

3. Insignificant emission units and activities at Boeing Auburn are subject to all applicable requirements set forth in Sections I.A, II.A.1(a)-(c), II.A.1(e), and II.A.1(f), III, and IV. This permit does not require testing, monitoring, reporting or recordkeeping for insignificant emission units or activities, except as required by sections II.A.1(a) through II.A.1(c), II.A.1(e), and II.A.1(f) of this permit. For insignificant emission units, the testing, monitoring, reporting, or recordkeeping requirements identified are applicable once a potential air operating permit deviation issue is initially observed and continue to be applicable until the potential deviation issue is resolved. Compliance with sections II.A.1(a) through II.A.1(c), II.A.1(e), and II.A.1(f) of this permit shall be deemed to satisfy the requirements of WAC 173-401-615 and 173-401-630(1).

[WAC 173-401-530(2)(c), 10/17/02 *(State Only)*]

4. Where this permit does not require testing, monitoring, recordkeeping and reporting for insignificant emissions units or activities, Boeing Auburn may certify continuous compliance if there were no observed, documented, or known instances of noncompliance during the reporting period. Where this permit requires testing, monitoring, recordkeeping and reporting for insignificant emission units or activities, Boeing Auburn may certify continuous compliance when the testing, monitoring, and recordkeeping required by the permit revealed no violations during the period, and there were no observed, documented, or known instances of noncompliance during the reporting period.

[WAC 173-401-530(2)(d), 10/17/02 *(State Only)*]

5. Upon request from PSCAA, Boeing Auburn must provide sufficient documentation to enable the PSCAA to determine that the emission unit or activity has been appropriately listed as insignificant.

[WAC 173-401-530(5)(a), 10/17/02 *(State Only)*]

6. Upon request from PSCAA, at any time during the term of the permit, if Boeing Auburn lists an activity or emissions unit as insignificant under WAC 173-401-530(4) then upon request from PSCAA, Boeing Auburn shall demonstrate to PSCAA that the actual emissions of the unit or activity are below the emission thresholds listed in WAC 173-401-530(4).

[WAC 173-401-530(5)(b), 10/17/02 *(State Only)*]

7. An emission unit or activity that qualifies as insignificant solely on the basis of WAC 173-401-530(1)(a) shall not exceed the emission thresholds specified in WAC 173-401-530(4) until this permit is modified pursuant to Section VI.E of this permit and WAC 173-401-725.

   [WAC 173-401-530(6), 10/17/02 *(State Only)*]

Section VI: Permit Actions

A. Permit Renewal, Revocation and Expiration

1. Renewal Application. Boeing Auburn shall submit a timely and complete Title V permit renewal application to PSCAA no later than 180 days prior to the expiration of this permit.

   [WAC 173-401-710(1), 10/17/02 *(State Only)*; WAC 173-401-500(3)(d), 10/17/02 *(State Only)*]

2. Expired Permits. Permit expiration terminates Boeing Auburn's right to operate unless a timely and complete renewal application has been submitted consistent with WAC 173-401-710(1) (Condition VI.A.1 of this permit) and WAC 173-401-500. All terms and conditions of the permit shall remain in effect after this permit expires if a timely and complete permit application has been submitted.

   [WAC 173-401-710(3), 10/17/02 *(State Only)*]

3. Revocation of Permits. PSCAA may revoke a permit only upon the request of Boeing Auburn or for cause. PSCAA shall provide at least thirty days written notice to Boeing Auburn prior to revocation of the permit or denial of a permit renewal application. Such notice shall include an explanation of the basis for the proposed action and afford Boeing Auburn an opportunity to meet with PSCAA prior to PSCAA's final decision. A revocation issued under this condition may be issued conditionally with a future effective date and may specify that the revocation will not take effect if Boeing Auburn satisfies the specified conditions before the effective date. Nothing in this subsection shall limit PSCAA's authority to issue emergency orders.

   [WAC 173-401-710(4), 10/17/02 *(State Only)*]

B. Administrative Permit Amendments

Boeing Auburn may file for an administrative permit amendment in accordance with WAC 173-401-720(3). Boeing Auburn may implement the changes addressed in the request for an administrative permit amendment immediately upon submittal of the request. An "administrative permit amendment" is a permit revision that:

1. Corrects typographical errors;
2. Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source:
3. Requires more frequent monitoring or reporting by Boeing Auburn;
4. Allows for a change in ownership or operational control of a source where PSCAA determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to PSCAA;
5. Incorporates into the permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program, provided that such a program meets procedural requirements substantially equivalent to the requirements of WAC 173-401-700, 173-401-725, and 173-401-800 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in WAC 173-401-600 through 173-401-650..

[WAC 173-401-720, 11/4/93 *(State Only)*]

C. Changes not Requiring Permit Revisions

1. Boeing Auburn is authorized to make the changes described in WAC 173-401-722 without a permit revision, provided that the following conditions are met:
    a. The proposed changes are not Title I modifications;
    b. The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;
    c. The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from the units covered by the permit; and
    d. The facility provides the administrator and PSCAA with written notification at least seven days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

    Changes described in WAC 173-401-722 include Section 502(b)(10) changes (changes that contravene an express permit term, but do not included changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements), SIP authorized emission trading, and emission caps. Requirements for notification are included in WAC 173-401-722(2), (3) and (4).
2. The permit shield does not apply to any 502(b)(10) change or SIP authorized emission trading but does extend to terms and conditions that allow for the trading of emissions increases or decreases for the purpose of complying with a federally enforceable emissions cap.
3. Boeing Auburn shall comply with applicable preconstruction review requirements.
4. Boeing Auburn and PSCAA shall attach each notice to their copy of the relevant permit.

[WAC 173-401-722, 10/17/02 *(State Only)*]]

D. Off-Permit Changes

1. Boeing Auburn is allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of existing permit conditions. Any change that is a Title I modification must be submitted as a permit revision. Each change shall meet all applicable requirement and shall not violate any existing permit term or condition.
2. Boeing Auburn shall provide contemporaneous written notice to PSCAA and EPA of such change, except for changes that qualify as insignificant under WAC 173-401-530. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
3. The change shall not qualify for the permit shield.
4. Boeing Auburn shall comply with applicable preconstruction review requirements.
5. Boeing Auburn shall keep a record describing changes made that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes.

[WAC 173-401-722, 10/17/02 *(State Only)*]
[WAC 173-401-724, 3/5/16 *(State Only)*]

E. Permit Modification

Definition of "permit modification." A permit modification is any revision to this permit that cannot be accomplished under provisions for administrative permit amendments under WAC 173-401-720.

F. Minor Permit Modification

1. For minor permit modifications that meet the following criteria, Boeing Auburn shall submit an application as described in WAC 173-401-725(2)(b): :
    a. Do not violate any applicable requirement;
    b. Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
    c. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
    d. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid and applicable requirement to which the source would otherwise be subject. Such terms and conditions include a federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the FCAA and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the FCAA; and
    e. Are not modifications under any provision of the Title I of the FCAA.
2. Minor permit modification procedures. The permit modification shall be accomplished in accordance with the criteria and procedures as described in WAC 173-401-725(2)(c) through (2)(e).

    [WAC 173-401-725(2), 11/4/93 *(State Only)*]
3. Group Processing of Minor Permit Modifications. For group processing of modifications that meet the following criteria, Boeing Auburn shall submit an application as described in WAC 173-401-725(3)(b):
    a. Meets the criteria for minor permit modification procedures in Condition D.1; and
    b. Collectively are below ten percent of the emissions allowed by the permit for the emissions unit for which the change is requested, twenty percent of the applicable definition of major source in WAC 173-401-200, or five tons per year, whichever is least.

    [WAC 173-401-725(3), 11/4/93 *(State Only)*]
4. The permit modification shall be accomplished in accordance with the criteria and procedures as described in WAC 173-401-725(3)(c) through (3)(e). .

    [WAC 173-401-725(3), 11/4/93 *(State Only)*]
5. Ability to Make Change. Boeing Auburn may make the change proposed in its minor permit modification application (or modifications eligible for group processing) immediately after it files such application provided that those changes requiring the submission of a NOC application have been reviewed and approved by PSCAA. After Boeing Auburn makes the change, and until PSCAA takes any of the actions specified in WAC 173-401-725(2)(d) or (3)(d), Boeing Auburn must comply with both the applicable requirements governing the change and the

proposed permit terms and conditions. During this time period, Boeing Auburn need not comply with the existing permit terms and conditions it seeks to modify. However, if Boeing Auburn fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. The permit shield in Section VII of this permit shall not extend to minor permit modifications.

[WAC 173-401-725(2) and (3), 11/4/93 *(State Only)*]

G. Significant Modification Procedures

1. Criteria. Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative permit amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant. Nothing herein shall be construed to preclude Boeing Auburn from making changes consistent with Chapter 173-401 WAC that would render existing permit compliance terms and conditions irrelevant.

2. Procedures. Significant permit modifications shall meet all requirements of Chapter 173-401 WAC, including those for applications, public participation, review by affected states, and review by EPA, as they apply to permit issuance and permit renewal.

   [WAC 173-401-725(4), 11/4/93 *(State Only)*]

H. Reopening for Cause

This permit shall be reopened and revised PSCAA under any of the circumstances described in WAC 173-401-730(1). Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

[WAC 173-401-730, 11/4/93 *(State Only)*]

Section VII: Permit Shield

Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements contained in Sections I through VI of this permit as of the date of permit issuance, provided such applicable requirements are included and are specifically identified in this permit. The permit shield does not apply to any insignificant emissions unit or activity so designated under WAC 173-401-530.

[WAC 173-401-640(1), 11/4/93 *(State Only)*]
[WAC 173-401-530(3), 10/17/02 (*State Only)*]

Nothing in WAC 173-401-640 or in this permit shall alter or affect the following:

1. The provisions of Section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;
2. The liability of Boeing Auburn for any violation of applicable requirements prior to or at the time of permit issuance or renewal;
3. The applicable requirements of the acid rain program, consistent with Section 408(a) of the FCAA;
4. The ability of EPA to obtain information from a source pursuant to Section 114 of the FCAA; or
5. The ability of PSCAA to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.

[WAC 173-401-640(4), 11/4/93 *(State Only)*]

Section VIII: Appendixes

A. Test Methods and Averaging Periods

Unless otherwise specified in the rules or approval conditions, compliance shall be determined based on the averaging periods as described in the table below. In the event that a sample is accidentally lost or conditions occur in which one of the runs must be discontinued because of circumstances beyond the operator's control, compliance may, upon EPA or PSCAA approval, be determined from the arithmetic average of the two other runs.

Table 10. Summary of Test Methods

Test Method	Title	Averaging Period
PSCAA Method 5 PSCAA Board Resolution 540, August 11, 1983	Determination of Particulate Emissions from Stationary Sources	The test shall consist of 3 runs and at least 1-hour per run. Determine the PM emission from the arithmetic average of the three runs.
EPA Method 5 40 CFR 60, Appendix A	Determination of Particulate Emissions from Stationary Sources	The test shall consist of 3 runs and at least 1-hour per run. Determine the PM emission from the arithmetic average of the three runs.
EPA Method 6C 40 CFR 60, Appendix A	Determination of Sulfur Dioxide Emissions from Stationary Sources	The test shall consist of 1 run and at least 1-hour per run.
EPA Method 7 40 CFR 60, Appendix A	Determination of Nitrogen Oxide Emissions from Stationary Sources	The test shall consist of 3 runs and at least 1-hour per run. Determine the NO_x emission from the arithmetic average of the three runs.
EPA Method 7E 40 CFR 60, Appendix A	Determination of Nitrogen Oxide Emissions from Stationary Sources (Instrumental Analyzer Procedure)	The test shall consist of 3 runs and at least 1-hour per run. Determine the NO_x emission from the arithmetic average of the three runs.
EPA Method 10 40 CFR 60, Appendix A	Determination of Carbon Monoxide	The test shall consist of 3 runs and at least 1-hour per run. Determine the CO emission from the arithmetic average of the three runs.
EPA Method 19 40 CFR 60, Appendix A	Determination of NO_x rate	30-day rolling average
Ecology Method 9A, "Source Test Manual – Procedures for Compliance Testing", July 12, 1990	Visual Determination of the Opacity of Emissions from Stationary Sources - for State and Puget Sound Clean Air Agency requirements	Any 13 opacity readings above standard in one hour, opacity readings taken in 15-second intervals.
EPA Method 9 40 CFR 60, Appendix A	Visual Determination of the Opacity of Emissions from Stationary Sources - for Federal Requirements	6-minute averaging period, opacity readings taken in 15-second intervals.

Test Method	Title	Averaging Period
EPA Method 24 40 CFR 60, Appendix A	Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings	For water-based and water reducible coatings, vendor certification or data will be used for determining compliance. For other VOC containing materials, vendor certification or data will be the primary means for determining compliance. If Method 24 is used for coatings, grab samples will be taken and the average of all of a single type of coating (e.g., primer or topcoat), mixed and ready for application within the same coating operation, will be used for determining compliance. For each coating, the test shall consist of three separate runs and compliance shall be determined from the arithmetic average of the three runs.
EPA Method 25A 40 CFR Part 60, Appendix A, July 1, 2012	Determination of total gaseous organic concentration using a flame ionization analyzer	The test shall consist of 3 runs and at least 1-hour per run. Determine the emission from the arithmetic average of the three runs.
EPA Method 26 A 40 CFR 60, Appendix A	Determinations of HCl	The test shall consist of 1 run and at least 1-hour per run.
EPA Method 27, 40 CFR 60, Appendix A, July 1, 2012	Determination of vapor tightness of gasoline delivery tank using pressure vacuum test	5-minute averaging period
EPA Method 319 40 CFR Part 60, Appendix A, July 1, 2012	Determination of Filtration Efficiency for Paint Overspray	Not applicable
Ash-ASTM D482 Sulfur –ASTM D3120 Halogens – EPA SW846,9076 PCB – EPA SW846, 8080 Lead – EPA 600/4-81-045,200.7 Flash Point – EPA SW846, 1020	Fuel Oil Analysis	None applicable

B. PSCAA Method 5 for Particulate

RESOLUTION NO. 540

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE PUGET SOUND AIR POLLUTION
CONTROL AGENCY ADOPTING MODIFIED
PARTICULATE SOURCE TEST PROCEDURES

WHEREAS, Regulation I Section 9.09(f) requires procedures for source sampling performed in connection with standards of Regulation I and II for particulate and gases to be done using current Environmental Protection Agency requirements or procedures and definitions adopted by the Board; and

WHEREAS, to conform to current safe and less toxic chemical storage, the particulate measurement procedures currently used by the Agency have been proposed for modification; and

WHEREAS, the Expanded Advisory Council reviewed and approved said source test laboratory procedure modifications; and

WHEREAS, a public hearing was held by the Puget Sound Air Pollution Control Agency Board of Directors on August 11, 1983, to allow public input and critique on the proposal; and

WHEREAS, the Board deems it necessary to adopt said modification to source test procedures; now therefore,

BE IT RESOLVED BY THE BOARD OF PUGET SOUND AIR POLLUTION CONTROL AGENCY:

The Board of Directors does hereby adopt the modifications to the source test procedures, a copy of which is attached hereto and made a part hereof.

PASSED AND APPROVED by the Board of Directors of the Puget Sound Air Pollution Control Agency held this 11th day of August, 1983.

PUGET SOUND AIR POLLUTION CONTROL AGENCY

By _____
Chairman

Attest:

_____
Air Pollution Control Officer

Approved as to form:

_____
Agency Attorney

Proposed Revised PSAPCA

Particulate Source Test Procedures

Engineering Division

Puget Sound Air Pollution Control Agency
200 West Mercer Street, Room 205
P.O. Box 9863
Seattle, Washington 98109

June 9, 1983

I. Procedures for Particulate Source Sampling

Unless otherwise authorized by the Control Officer, all particulate source sampling performed to demonstrate compliance with the emission standards of Regulation I shall be done using current Environmental Protection Agency Methods 1-5 contained in 40 CFR Part 60, Appendix A, as modified in Section II of this document.

II. Procedure for Determining Particulate Matter in the Impinger Catch (Back Half)

The analysis and calculations for Method 5 shall conform to that described by EPA in the current 40 CFR Part 60, Appendix A, except that the back half catch shall be included as particulate matter. The back half weight is the sum of the impinger catch (organic and inorganic) and the back half acetone rinse weights.

A. Sample Recovery of the Back Half

1. Purging

Whenever SO_2 interference is suspected, purge the impingers immediately after the test run is complete with N_2 or clean air for a minimum of one-half the sample volume.

2. Impinger Liquid

Measure the volume of water collected in all impingers and place the water from the first three impingers in a container. Thoroughly rinse all sample-exposed surfaces between the filter and fourth impinger with water and place in above container.

3. Acetone Rinse

Thoroughly rinse all sample-exposed surfaces between the filter and the fourth impinger with acetone and place the washings in a tared beaker to dry.

B. Analysis of the Back Half

1. Impinger Liquid Extraction

a. Add 50-100 mℓ of dichloromethane to the impinger liquid.

b. Spin for at least ten minutes.

c. Pour the liquid into a separatory funnel and drain the organic phase into a tared beaker (organic fraction).

d. Drain the remaining liquid into a beaker and repeat Steps a, b, and c. Perform the extraction several times with fresh dichloromethane until the organic fraction is clear. Keep each organic extraction in a separate beaker.

e. Following the last extraction, drain the remaining liquid from the separatory funnel into a tared beaker (inorganic fraction).

f. Allow the organic fraction beakers to dry under a hood at room temperature.

g. Evaporate the inorganic fraction in such a manner that the beaker contents do not become exposed to temperatures greater then 212°F.

h. Dry weighed beakers containing a sample of the acetone, dichloromethane and a sample of distilled deionized water to check for blank weight.

i. Desiccate organic, inorganic and blank beakers for at least 24 hours at room temperature in a disiccator containing silica gel. Weigh to a constant weight and report the results to the nearest 0.1 mg. Constant weight is defined in Section 4.3 of Method 5.

2. Back Half Acetone Rinse

a. Dry the acetone rinse in a hood at room temperature.

b. Desiccate and weigh the beaker to constant weight and record.

C. Reagents

1. Water

Use distilled deionized water in the impingers and to rinse all glassware.

2. Acetone

Use reagent grade, $\leq$ 0.001 percent residue in glass bottles.

3. Dichloromethane

Use reagent grade, $\leq$ 0.001 percent residue in glass bottles.

C. Ecology Method 9A

Revised July 12, 1990

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

SOURCE TEST METHOD 9A

VISUAL DETERMINATION OF OPACITY FOR A THREE MINUTE STANDARD

1. Principle

The opacity of emissions from stationary sources is determined visually by a qualified observer.

2. Procedure

The observer must be certified in accordance with the provisions of Section 3 of 40 *CFR* Part 60, Appendix A, Method 9, as in effect on July 1, 1990, which are hereby adopted by reference.

The qualified observer shall stand at a distance sufficient to provide a clear view of the emissions with -he sun oriented in the 140° sector to his back. Consistent with maintaining the above requirement, the observer shall, as much as possible, make his observations from a position such that his line of vision is approximately perpendicular to the plume.direction, and when observing opacity of emissions from rectangular outlets (e. g., roof monitors, open baghouses, noncircular stacks), approximately perpendicular to the longer axis of the outlet. The observer's line of sight should not include more than one plume at a time when multiple stacks are involved, and in any case, the observer should make his observations with his line of sight perpendicular to the longer axis of such a set of multiple stacks (e.g., stub stacks on baghouses).

The observer shall record the name of the plant, emission location, type of facility, observer's name and affiliation, and the date on a field data sheet. The time, estimated distance to the emission location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), and plume background are recorded on a field data sheet at the time opacity readings are initiated and completed.

The observer should make note of the ambient relative humidity, ambient temperature, the point in the plume that the observations were made, the estimated depth of the plume at the point of observation, and the color and condition of the plume. It is also helpful if pictures of the plume are taken.

Visual Determination of Opacity for a Three Minute Standard
Ecology Source Test Method 9A
Revised July 12, 1990 .
Page 2

Opacity observations wall be made at the point of greatest opacity in the portion of the plume where condensed water vapor is not present. The observer shall not look continuously at the plume, but instead shall observe the plume momentarily at 15-second intervals.

When condensed water vapor is present within the plume as it emerges from the emission outlet, opacity observations shall be made beyond the point in the plume at which condensed water vapor is no longer visible.

When water vapor in the plume condenses and becomes visible at a distinct distance from the emission outlet, the opacity of emissions should be evaluated at the emission outlet prior to the condensation of water vapor and the formation of the steam plume.

Opacity observations shall be recorded to the nearest 5 percent at 15-second intervals on an observational record sheet. Each momentary observation recorded shall be deemed to represent the average opacity of emissions for a 15-second period.

3. Analysis

The opacity of the plume is determined by individual visual observations. Opacity shall be reported as the range of values observed during a specified time period, not to exceed 60 consecutive minutes. The opacity standard is exceeded if there are more than 12 observations, during any consecutive 60-minute period, for which an opacity greater than the standard is recorded.

4. References

Federal Register, Vol. 36, No. 247, page 24895, Dec. 23, 1971.

"Criteria for Smoke and Opacity Training School 1970-1971" Oregon-Washington Air Quality Committee.

"Guidelines for Evaluation of Visible Emissions" EPA 340/1-75-007.