

## FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: BOEING -C-17 OPERATIONS</b>					
<b>System 1: EXTERNAL COMBUSTION OPERATIONS</b>					
BOILER, NATURAL GAS, CLEAVER BROOKS, MODEL FLX-700-800-160HW, WATER TUBE TYPE, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 8 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, CLEAVER BROOKS, MODEL NTH080-GX-9S-3, WITH LOW NOX BURNER, 8 MMBTU/HR	D571			CO: 100 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D28.1, D332.1, H23.16, I297.3

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements  
 \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

# **FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM**

## **SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

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## SECTION H: DEVICE ID INDEX

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D571	1	2	1

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#### FACILITY CONDITIONS

F1.1 The operator shall limit the material processed to no more than 25000 lb(s) in any one year.

For the purpose of this condition, material processed shall be defined as 1,1,1-trichloroethane used for general handwipe cleaning.

[H&S 44300, 7-1-1988]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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**The operator shall comply with the terms and conditions set forth below:**

show compliance with condition F1-1 for use of 1,1,1 trichloroethane

[H&S 44300, 7-1-1988]

F16.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

In addition to the recordkeeping requirements of Rule 109, the operator shall keep adequate records to demonstrate compliance with VOC conditions for all spray booth coating operations. All records shall be prepared in a format that is acceptable to the District, retained on the premises for at least five years, and made available upon request of the Executive Officer or his representative

**[RULE 109, 5-2-2003; RULE 1132(h)(2) - Exemptions, 3-5-2004; RULE 1132(h)(2) - Exemptions, 5-7-2004]**

F48.1 The operator shall not use at this facility methylene chloride for general handwipe cleaning.

[H&S 44300, 7-1-1988]

#### **DEVICE CONDITIONS**

##### **D. Monitoring/Testing Requirements**

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

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The test shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted pursuant to a source test protocol that shall be submitted to the District no later than 60 days after the initial start-up of this equipment unless otherwise approved by the District. The protocol shall be approved in writing by the District before the test commences, include completed District forms st-1 and st-2, identify the testing lab, include a statement from the lab certifying it meets District Rule 304(k) and include a description of the sampling and analytical procedures to be used.

The test shall be conducted to determine oxides of nitrogen, carbon monoxide, oxygen content, moisture content, flow rate and temperature at the exhaust of the boiler.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

The test shall be conducted by a testing lab certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured and in compliance with District Rule 304 (no conflict of interest).

The test shall be conducted using sampling facilities that comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 6-3-2011]**

[Devices subject to this condition : D571]

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**The operator shall comply with the terms and conditions set forth below:**

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D571]

#### **H. Applicable Rules**

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	DDDDD

**[40CFR 63SubpartDDDDD, 5-20-2011]**

[Devices subject to this condition : D571]

#### **I. Administrative**

I297.3 This equipment shall not be operated unless the facility holds 775 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

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In lieu of holding RTCs for the entire duration specified above, RTCs held for the purpose of demonstrating compliance with this condition may be transferred as specified below, provided quarterly emissions do not exceed the corresponding quarterly limit listed in the table below. The amount available for transfer shall be as specified in Rule 2005(f)(3). Such amount may be transferred only after the end of the subject quarter. If the first day of operation does not coincide with the first day of a calendar quarter, the emission limit for that calendar quarter shall be prorated based on the number of days remaining in the calendar quarter as of the first day of operation and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for that calendar quarter pursuant to RECLAIM Monitoring, Recordkeeping, and Reporting protocols (MRR) and the emission limit for the portion of the first year of operation falling in the fifth calendar quarter shall be prorated based on the number of days of the first year of operation occurring in that calendar quarter and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for the portion of the first year of operation occurring in that calendar quarter pursuant to RECLAIM MRR. If the quarterly certified emissions for any quarter (or portion of a quarter occurring within the first year of operation) exceed the corresponding quarterly emission limit or prorated quarterly emission limit, as applicable, the facility may only sell RTCs held pursuant to Rule 2005(f) after the first calendar quarter ending at least one year after operation commences.

Calendar Quarter	Emission Limit (Pounds of NOx RTCs)
July 1 through September 30	193
October 1 through December 31	194
January 1 through March 31	194
April 1 through June 30	194

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D571]