

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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, NO. 235, 87-HP, NATURAL GAS, KEWANEE, MODEL 583, 4.32 MMBTU/HR A/N: C08211	D177		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146.1,5-13-1994] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D332.2
BOILER, NO. 234, 130-HP, NATURAL GAS, KEWANEE, MODEL 585, 6.2 MMBTU/HR A/N: C03403	D178		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146,11-17-2000] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D332.1
BOILER, NO. 249, 125-HP, NATURAL GAS, KEWANEE, MODEL L 3W-125G, 5.25 MMBTU/HR A/N: C03414	D187		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146,11-17-2000] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D332.1

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 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

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<b>Process 2 : BOEING -C-17 OPERATIONS</b>					
BOILER, NO. 248, 200-HP, NATURAL GAS, KEWANEE, MODEL L-3W-200G, 8.37 MMBTU/HR A/N: C03415	D188		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146,11-17-2000] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D332.1
BOILER, NO. 245.2, NATURAL GAS, BRYAN, MODEL LM1200-W-FDG, MIDDLE, 12 MMBTU/HR A/N: 177707	D196		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146,11-17-2000] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C1.3, D12.2, D328.1
BOILER, NO. 245.1, NATURAL GAS, BRYAN, MODEL LM1200-W-FDG, WEST, 12 MMBTU/HR A/N: 177706	D197		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5) [RULE 1146,11-17-2000] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C1.3, D12.2, D328.1

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<b>Process 2 : BOEING -C-17 OPERATIONS</b>					
<b>System 2 : COATING OPERATIONS</b>					
SPRAY COATING OPERATION, SPRAY BOOTH, HANGAR, BUILDING NO. 59, 75 FT 6 IN W. X 200 FT L. X 30 FT H., 452 PANEL FILTERS, 452 BAG FILTERS, WITH TEN 20 H.P. EXHAUST FANS, WITH SPRAY BOOTH A/N:	D28			<b>HAP: (10) [40CFR 63 Subpart GG,12-8-2000] ; PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1107,11-9-2001</b>  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.2, C1.2, C6.4, D322.1, E71.4, E133.4, E175.1, H23.6, K67.4
SPRAY COATING OPERATION, HANGAR,TWO 125 HP (MAX) & THREE 150 HP (MAX) VARIABLE SPEED EXHAUST FANS, 206 FT X 241 FT X 80 FT, WITH SPRAY BOOTH A/N: 442545	D31	C558 C559 C560 C561 C562		<b>HAP: (10) [40CFR 63 Subpart GG,12-8-2000] ; PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1107,11-9-2001</b>  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, E71.6, E175.2, E175.3, H23.6

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : BOEING -C-17 OPERATIONS</b>					
SPRAY COATING OPERATION, 3-STAGE DRY FILTER SYSTEM, WITH AN ATI ULTRA BLANKET FILTER, 120-24"X24" ATI OSM413H STAGE 2 FILTERS & 120-24"X24" ATI 984R STAGE 3 FILTERS, WITH SPRAY BOOTH A/N: 442545	C558	D31		<b>HAP:</b> (10) [40CFR 63 Subpart GG,12-8-2000] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> (9) [RULE 1107,11-9-2001]  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, C6.1, C6.2, D322.1, E71.6, E175.3, H23.6, K67.4
SPRAY COATING OPERATION, 3-STAGE DRY FILTER SYSTEM, WITH AN ATI ULTRA BLANKET STAGE 1 FILTER, 120-24"X24" ATI OSM413H STAGE 2 FILTERS & 120-24"X24" ATI 984R STAGE 3 FILTERS, WITH SPRAY BOOTH A/N: 442545	C559	D31		<b>HAP:</b> (10) [40CFR 63 Subpart GG,12-8-2000] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> (9) [RULE 1107,11-9-2001]  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, C6.1, C6.2, D322.1, E71.6, E175.3, H23.6, K67.4

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<b>Process 2 : BOEING -C-17 OPERATIONS</b>					
SPRAY COATING OPERATION, 3-STAGE DRY FILTER SYSTEM, WITH AN ATI ULTRA BLANKET FILTER, 120-24"X24" ATI OSM413H STAGE 2 FILTERS & 120-24"X24" ATI 984R STAGE 3 FILTERS, WITH SPRAY BOOTH A/N: 442545	C560	D31		<b>HAP:</b> (10) [40CFR 63 Subpart GG,12-8-2000] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> (9) [RULE 1107,11-9-2001  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, C6.1, C6.2, D322.1, E71.6, E175.3, H23.6, K67.4
SPRAY COATING OPERATION, 3-STAGE DRY FILTER SYSTEM, WITH AN ATI ULTRA BLANKET FILTER, 105-24"X24" ATI OSM413H STAGE 2 FILTERS & 105-24"X24" ATI 984R STAGE 3 FILTERS, WITH SPRAY BOOTH A/N: 442545	C561	D31		<b>HAP:</b> (10) [40CFR 63 Subpart GG,12-8-2000] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> (9) [RULE 1107,11-9-2001  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, C6.1, C6.2, D322.1, E71.6, E175.3, H23.6, K67.4

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SPRAY COATING OPERATION, 3-STAGE DRY FILTER SYSTEM, WITH AN ATI ULTRA BLANKET FILTER, 105-24"X24" ATI OSM413H STAGE 2 FILTERS & 105-24"X24" ATI 984R STAGE 3 FILTERS, WITH SPRAY BOOTH A/N: 442545	C562	D31		<b>HAP:</b> (10) [40CFR 63 Subpart GG,12-8-2000] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> (9) [RULE 1107,11-9-2001  <i>RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</i>	A63.6, C1.2, C6.1, C6.2, D322.1, E71.6, E175.3, H23.6, K67.4
<b>System 3 : STRIPPER TANKS</b>					
STORAGE TANK, NO.T-4, PAINT STRIPPER, WITH A PRESSURE RELIEF VALVE, WITH SUBMERGED FILLING, 2500 GALS A/N: 173839	D300				
<b>System 4 : INTERNAL COMBUSTION ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-254, FIRE PUMP, DIESEL FUEL, CUMMINS, MODEL NT-380-1F, WITH TURBOCHARGER, 272 BHP A/N: 345376	D236		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1

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INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-259, FIRE PUMP, DIESEL FUEL, CUMMINS, MODEL NT-380-1F, WITH TURBOCHARGER, 274 BHP A/N: 345369	D238		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-251, DIESEL FUEL, CUMMINS, MODEL NHS-6-1F, WITH TURBOCHARGER, 225 HP A/N: 345367	D242		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-252, DIESEL FUEL, CUMMINS, MODEL NHS-6-1F, WITH TURBOCHARGER, 225 HP A/N: 345368	D243		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-261, DIESEL FUEL, CUMMINS, MODEL NH-220-1F, 131 HP A/N: 345361	D244		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, NO. 9-82, DIESEL FUEL, CUMMINS, MODEL NH-220-1F, 138 HP A/N: 345362	D245		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, K67.1

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INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 8-409, DIESEL FUEL, JOHN DEERE, MODEL 4239D, 66 HP A/N: 345384	D248		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	B61.2, C1.1, D12.3, E448.9, K67.7
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 8-407, DIESEL FUEL, CATEPILLAR, MODEL 3406 D1, WITH AFTERCOOLER, 449 HP A/N: 345357	D249		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	D12.3, E448.5, E448.8, K67.7
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 9-277, DIESEL FUEL, JOHN DEERE, MODEL 6359T, 153 BHP A/N: 345386	D398		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV DIESEL (5) [RULE 1110.2.6-3-2005] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>NOX:</b> 10 GRAM/BHP-HR DIESEL (4) [RULE 2005,5-6-2005]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>ROG:</b> 250 PPMV DIESEL (5) [RULE 1110.2.6-3-2005]	D12.3, D29.4, D323.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL NO. 6CTA8.3-F3, WITH AFTERCOOLER, TURBOCHARGER, 300 HP A/N: 324635	D424		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	B61.2, C1.9, D12.3, K67.1

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INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, DIESEL FUEL, DETROIT DIESEL, MODEL 7123-7400, INTRA-FACILITY PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 639 HP A/N: 345395	D425		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV DIESEL (5) [RULE 1110.2.6-3-2005] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>ROG:</b> 250 PPMV DIESEL (5) [RULE 1110.2.6-3-2005]	C1.18, C177.1, D12.3, D323.1, K67.2
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CERTIFIED NON-ROAD ENGINE OF 40 CFR PART 89, DIESEL FUEL, DETROIT DIESEL, MODEL 5063-5433, INTRA-FACILITY PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 237 HP A/N: 324633	D426		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV DIESEL (5) [RULE 1110.2.6-3-2005] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>ROG:</b> 250 PPMV DIESEL (5) [RULE 1110.2.6-3-2005]	B61.2, C1.18, D12.3, D323.1, K67.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CERTIFIED NON-ROAD ENGINE OF 40 CFR PART 89, DIESEL FUEL, DETROIT DIESEL, MODEL 5063-5433, INTRA-FACILITY PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 237 HP A/N: 324634	D427		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV DIESEL (5) [RULE 1110.2.6-3-2005] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>ROG:</b> 250 PPMV DIESEL (5) [RULE 1110.2.6-3-2005]	B61.2, C1.18, D12.3, D323.1, K67.1

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<b>Process 2 : BOEING -C-17 OPERATIONS</b>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. B11, DIESEL FUEL, JOHN DEERE, MODEL 3029DF150, NON-ROAD PORTABLE ENGINE, AIR COMPRESSOR DRIVER, 57 BHP A/N: 351425	D489		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	D323.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. GR 190-1, DIESEL FUEL, JOHN DEERE, NON-ROAD PORTABLE ENGINE, WITH AFTERCOOLER, TURBOCHARGER, 250 BHP A/N: 351423	D490		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	B61.2, D12.3, E448.5, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. GR 190-2, DIESEL FUEL, JOHN DEERE, NON-ROAD PORTABLE ENGINE, WITH AFTERCOOLER, TURBOCHARGER, 250 BHP A/N: 351424	D491		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	B61.2, D12.3, E448.5, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL N14G2, 535 BHP A/N: 376123	D506		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.9, D12.3, E448.10, K67.7

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, SERIAL NO. 45660493, DIESEL FUEL, CUMMINS, MODEL B5.9-C, NON-ROAD PORTABLE ENGINE, DRIVING FLIGHT RAMP GROUND POWER UNIT, WITH TURBOCHARGER, 200 BHP A/N: 386040	D507		NOX: PROCESS UNIT**	<p><b>CO:</b> 8.5 GRAM/BHP-HR DIESEL (8) [40CFR 89 Subpart B,7-1-2000] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005]</p> <p><b>NOX:</b> 6.9 GRAM/BHP-HR DIESEL (8) [40CFR 89 Subpart B,7-1-2000] ; <b>PM:</b> 0.4 GRAM/BHP-HR DIESEL (8) [40CFR 89 Subpart B,7-1-2000]</p> <p><b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> 1 GRAM/BHP-HR DIESEL (8) [40CFR 89 Subpart B,7-1-2000]</p>	C1.10, D12.3, D323.1, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, SERIAL NO. E010244459, DIESEL FUEL, CUMMINS, MODEL B5.9-C, MODEL N14-G2, WITH TURBOCHARGER, 535 BHP A/N: 387822	D508		NOX: PROCESS UNIT**	<p><b>CO:</b> 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005]</p> <p><b>NOX:</b> 6.9 GRAM/BHP-HR DIESEL (4) [RULE 2005,5-6-2005] ; <b>PM:</b> 0.4 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996]</p>	B61.2, D12.3, E448.5, E448.10, K67.1, K67.7

\* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)  
 (9) See App B for Emission Limits (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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>PM:</b> (9) [RULE 404,2-7-1986] ; <b>VOC:</b> 1 GRAM/BHP-HR <b>DIESEL (4)</b> [RULE 1303(a)(1)- <b>BACT,5-10-1996]</b>	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 6BATA5.9-G4, 170 BHP A/N: 436097	D557		NOX: PROCESS UNIT**	<b>CO:</b> 3.7 GRAM/BHP-HR <b>DIESEL (4)</b> [RULE 1303(a)(1)- <b>BACT,5-10-1996;RULE</b> <i>1303(a)(1)-BACT,12-6-2002</i> ] ; <b>NOX:</b> 469 LBS/1000 GAL <b>DIESEL (1)</b> [RULE 2012,5-6- <b>2005]</b>  <b>NOX + ROG:</b> 4.9 GRAM/BHP-HR DIESEL (5) [RULE 1303(a)(1)- <b>BACT,5-10-          1996;RULE 1303(a)(1)-BACT,12-6-          2002</b> ] ; <b>PM:</b> (9) [RULE 404,2- <b>7-1986]</b>  <b>PM10:</b> 0.22 GRAM/BHP-HR <b>DIESEL (4)</b> [RULE 1303(a)(1)- <b>BACT,5-10-1996;RULE</b> <i>1303(a)(1)-BACT,12-6-2002</i> ]	B61.1, D12.3, E448.7, H23.8, K67.7
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 6BATA5.9-G4, 170 BHP A/N: 444873	D563		NOX: PROCESS UNIT**	<b>CO:</b> 3.7 GRAM/BHP-HR <b>DIESEL (4)</b> [RULE 1303(a)(1)- <b>BACT,5-10-1996;RULE</b> <i>1303(a)(1)-BACT,12-6-2002</i> ] ; <b>NOX:</b> 469 LBS/1000 GAL <b>DIESEL (1)</b> [RULE 2012,5-6- <b>2005]</b>	B61.1, D12.3, E448.7, H23.8, K67.7

\* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)  
 (9) See App B for Emission Limits (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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>NOX + ROG:</b> 4.9 GRAM/BHP-HR DIESEL (5) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>PM10:</b> 0.22 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 4BTA3-9-G5, 99 BHP A/N: 450758	D564		NOX: PROCESS UNIT**	<b>CO:</b> 3.7 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005]  <b>NOX + ROG:</b> 4.9 GRAM/BHP-HR DIESEL (5) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>PM10:</b> 0.22 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	B61.1, D12.3, E448.7, H23.8, K67.7

\* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)  
 (9) See App B for Emission Limits (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 3 : 219 EXEMP EQUIPMENT, LBD &amp; C17 SUBJECT TO SOURCE-SPECIFIC RULE</b>					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E428			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.1
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E429			VOC: (9) [RULE 1113,11-8-1996;RULE 1113,6-9-2006;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	K67.3
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E430				H23.3
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E432			VOC: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1136,6-14-1996;RULE 1168,10-3-2003;RULE 1168,1-7-2005;RULE 1171,11-7-2003 RULE 1171,7-14-2006] ; VOC: (10) [40CFR 63 Subpart GG,12-8-2000]	H23.9
RULE 219 EXEMPT EQUIPMENT, DEGREASERS, HEATED, < 1.0 FT2	E433			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.1
RULE 219 EXEMPT EQUIPMENT, HAND LAY, BRUSH AND ROLL UP RESIN OPERATIONS	E434			VOC: (9) [RULE 1162,11-17-2000;RULE 1162,7-8-2005;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.9

\* (1)(1A)(1B)Denotes RECLAIM emission factor  
 (2)(2A)(2B)Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B)Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)  
 (9) See App B for Emission Limits  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 3 : 219 EXEMP EQUIPMENT, LBD &amp; C17 SUBJECT TO SOURCE-SPECIFIC RULE</b>					
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E438			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006] ; VOC: (10) [40CFR 63 Subpart GG,12-8-2000]	
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E439				H23.4
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E529				H23.10
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < = 53 FT3, WITH DUST FILTER	E530			PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 404,2-7-1986;RULE 405,2-7-1986]	D322.3, D381.1, H23.7, K67.9

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (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 D: DEVICE ID INDEX**

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

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

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D177	1	2	1
D178	1	2	1
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D188	2	2	1
D196	2	2	1
D197	2	2	1
D236	9	2	4
D238	10	2	4
D242	10	2	4
D243	10	2	4
D244	10	2	4
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D249	11	2	4
D300	9	2	3
D398	11	2	4
D424	11	2	4
D425	12	2	4
D426	12	2	4
D427	12	2	4
E428	17	3	0
E429	17	3	0
E430	17	3	0
E432	17	3	0
E433	17	3	0
E434	17	3	0
E438	18	3	0
E439	18	3	0
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D490	13	2	4
D491	13	2	4
D506	13	2	4
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**FACILITY PERMIT TO OPERATE  
 THE BOEING COMPANY - C17 PROGRAM**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
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E530	18	3	0
D549	3	2	1
D551	4	2	1
D553	5	2	1
D557	15	2	4
C558	7	2	2
C559	7	2	2
C560	8	2	2
C561	8	2	2
C562	9	2	2
D563	15	2	4
D564	16	2	4

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### 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]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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**

#### **A. Emission Limits**

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 150 LBS IN ANY ONE DAY

For the purposes of this condition, and for exemption under Rule 1132 by (h)(2), the VOC emissions from this spray booth shall be defined as the monthly average for each calendar month, calculated by dividing the total emissions from this spray booth for the calendar month by the number of calendar days in that month. If the records generated after the end of any calendar month show that the VOC emissions from this equipment for the calendar month exceed the emission cap of this condition, the operator shall submit the appropriate applications and achieve compliance pursuant to the requirements specified in Rule 1132.

The operator shall calculate the emission limit(s) as described above. Exceedance of the VOC emission limit of this condition shall not subject this equipment to New Source Review requirements if the operator complies with the usage limit specified in Condition no. C1.2

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

[Devices subject to this condition : D28]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 225 LBS IN ANY ONE DAY

For the purposes of this condition, and for exemption under Rule 1132(h)(2), the VOC emissions from this spray booth shall be defined as the monthly average for each calendar month, calculated by dividing the total emissions from this spray booth for the calendar month by the number of calendar days in that month. If the records generated after the end of any calendar month show that the VOC emissions from this equipment for the calendar month exceed the emission cap of this condition, the operator shall submit the appropriate applications and achieve compliance pursuant to the requirements specified in Rule 1132.

The operator shall calculate the emission limit(s) as described above. Exceedance of the VOC emission limit of this condition shall not subject this equipment to New Source Review requirements if the operator complies with the usage limit specified in Condition no. C1.2

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

[Devices subject to this condition : D31, C558, C559, C560, C561, C562]

### **B. Material/Fuel Type Limits**

B61.1 The operator shall only use diesel fuel containing the following specified compounds:

Compound	quantity	ppm by weight
sulfur	less than or equal to	15

This condition shall be effective January 1, 2006

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D557, D563, D564]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B61.2 The operator shall not use fuel oil containing the following specified compounds:

Compound	weight percent
Sulfur less than or equal to	0.05

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D248, D424, D426, D427, D490, D491, D508]

### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 125 hour(s) in any one year.

[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996]

[Devices subject to this condition : D248]

C1.2 The operator shall limit the material processed to no more than 341 gallon(s) per day.

For the purpose of this condition, material processed shall be defined as coatings and solvents, excluding chemical milling maskant, that are used in all spray booths at this facility.

[RULE 1303(b)(2)-O set, 5-10-1996]

[Devices subject to this condition : D28, D31, C558, C559, C560, C561, C562]

C1.3 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D196, D197]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.9 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

[**RULE 1304(a)-Modeling and O set Exemption, 6-14-1996**; RULE 1470, 6-1-2007]

[Devices subject to this condition : D236, D238, D242, D243, D244, D245, D424, D506]

C1.10 The operator shall limit the operation to no more than 300 hour(s) in any one year.

[**RULE 1303(b)(2)-O set, 5-10-1996**]

[Devices subject to this condition : D507]

C1.17 The operator shall limit the natural gas fuel usage to no more than 274,826 therm(s) in any one calendar month.

This limit shall be based on the total combined limit for equipment described in D549, D551 and D553.

[**RULE 1303(b)(2)-O set, 5-10-1996**; RULE 1303(b)(2)-O set, 12-6-2002]

[Devices subject to this condition : D549, D551, D553]

C1.18 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

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

[Devices subject to this condition : D425, D426, D427]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the first and second stage filters.

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : C558, C559, C560, C561, C562]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1.5 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the third stage filter.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C558, C559, C560, C561, C562]

- C6.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the entire filter system.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D28]

- C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D425]

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

- D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D196, D197, D549, D551, D553]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D236, D238, D242, D243, D244, D245, D248, D249, D398, D424, D425, D426, D427, D490, D491, D506, D507, D508, D557, D563, D564]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
CO emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted on an annual basis to determine compliance with the CO emission factors and CO concentration limits specified in this permit. The test shall be conducted using a District approved test protocol.

A written notice of the source tests shall be submitted to the District engineer Shailesh Patel at least 14 days prior to the source testing date so that an observer from the District may be present.

A testing laboratory 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) shall conduct the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

Two complete copies of the source test reports shall be submitted to District engineer Shailesh Patel within 45 days after the source testing date. The source test report shall include, but not be limited to all testing data required by this condition.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen for CO, dry basis.

**[RULE 1146, 11-17-2000; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-O set, 5-10-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D549, D551, D553]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	District-approved averaging time	Outlet

The test(s) shall be conducted at least once every five years.

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

[Devices subject to this condition : D398]

D322.1 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : D28, C558, C559, C560, C561, C562]

D322.3 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : E530]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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

[Devices subject to this condition : D398, D425, D426, D427, D489, D507]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and 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 : D196, D197]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least 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 : D178, D187, D188]

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least 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 1146.1 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 : D177]

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : E530]

#### **E. Equipment Operation/Construction Requirements**

E71.4 The operator shall only operate this equipment if the exhaust fans of this equipment are operating at 130,000 scfm or greater. If an exhaust fan is repaired, modified or replaced, the operator shall conduct tests pursuant to an appropriate AQMD approved test method to determine the exhaust flow rate within 60 days of such repair, modification, or replacement.

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

[Devices subject to this condition : D28]

E71.6 The operator shall only operate this equipment if the exhaust fans of this equipment are operating at 275,000 scfm or greater. If the exhaust fan is repaired, modified or replaced, the operator shall conduct tests pursuant to an appropriate AQMD approved test method to determine the exhaust flow rate within 60 days of such repair, modification, or replacement.

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

[Devices subject to this condition : D31, C558, C559, C560, C561, C562]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E133.3 The operator shall maintain an interlock device, so that the boiler can only be operated when the natural gas firing rate is at 25 percent or more of the maximum heat input rating of the equipment.

[**RULE 1303(b)(2)-O set, 5-10-1996**; **RULE 1303(b)(2)-O set, 12-6-2002**]

[Devices subject to this condition : D549, D551, D553]

E133.4 The operator shall maintain an interlock system such that this spray booth can only be operated when a minimum of six exhaust blowers are in operation. Such an interlock system shall continue to keep the exhaust blowers in operation for a minimum of 11 minutes when six blowers are on (east side or west side operating mode), or for a minimum of 7 minutes when all ten blowers are on (full operating mode) after the coating operations have ceased inside the spray booth.

[**RULE 1469.1, 3-4-2005**]

[Devices subject to this condition : D28]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

2-stage filter system

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D28]

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

at least four out of five exhaust systems

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D31]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E175.3 The operator shall not use this equipment unless all exhaust air passes through the following:

three stage filters

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D31, C558, C559, C560, C561, C562]

E448.5 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect

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

[Devices subject to this condition : D249, D490, D491, D508]

E448.7 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing

Operation beyond 50 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]**

[Devices subject to this condition : D557, D563, D564]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E448.8 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 20 hours in any one year for maintenance and testing

Operation beyond 20 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent of in e ct

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D249]

E448.9 The operator shall comply with the following requirements:

The engine shall not be operated more than 125 hours in any one year, which includes no more than 20 hours in any one year for maintenance and testing

Operation beyond 20 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent of in e ct

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D248]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E448.10 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 30 hours in any one year for maintenance and testing

Operation beyond 30 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent of in e ct

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D506, D508]

### H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004]

[Devices subject to this condition : E428, E433]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E430]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E439]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481
Chromium, Hexavalent	District Rule	1469.1

[**RULE 109, 5-2-2003**; RULE 1469.1, 3-4-2005; **RULE 481, 1-11-2002**]

[Devices subject to this condition : D28, D31, C558, C559, C560, C561, C562]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1140

[RULE 109, 5-2-2003; RULE 481, 1-11-2002]

[Devices subject to this condition : E530]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1470
Sulfur compounds	District Rule	431.2

[RULE 1470, 6-1-2007; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D557, D563, D564]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E432, E434]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E529]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	DDDDD

[40CFR 63 Subpart DDDDD, 12-6-2006]

[Devices subject to this condition : D549, D551, D553]

### **K. Record Keeping/Reporting**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

annual elapsed time in hours

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1470, 6-1-2007]

[Devices subject to this condition : D236, D238, D242, D243, D244, D245, D424, D426, D427, D490, D491, D507, D508]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

annual elapsed time in hours and records showing that the engine has been retarded 4 degrees

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D425]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

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

[Devices subject to this condition : E429]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time, and results of the inspection

weekly record of pressure drop across the filter

the date, time, and description of any maintenance or repairs resulting from the inspection

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

[Devices subject to this condition : D28, C558, C559, C560, C561, C562]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The engine operating log shall be kept and maintained on file to record when the engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation, and the reason for operation.

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual and automatic operation) for the previous calendar year

All records required by this permit shall be kept in a format that is acceptable to the District, shall be retained on the premises for five years, and made available to any District representative upon request.

**[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 1470, 6-1-2007; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D248, D249, D506, D508, D557, D563, D564]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Calendar monthly natural gas usage in therms.

Within 15 days after the end of each month, total and record the natural gas usage of devices D549, D551 and D553 in therms.

**[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002]**

[Devices subject to this condition : D549, D551, D553]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time, and results of the inspection

the date, time, and description of any maintenance or repairs resulting from the inspection

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

[Devices subject to this condition : E530]