



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

April 3, 2009

Gerardo Rios  
U.S. EPA – Region IX – Air – 3  
75 Hawthorne Street  
San Francisco, CA 94105

**Subject: Title V Permit to Operate Revision**

Dear Mr. Rios:

Attached is the draft Sections D and K, and Appendix B of the Title V permit for American Airlines (ID 800196). This is a de minimis significant permit revision, which is subject to EPA review and approval.

The following changes have been incorporated into the draft permit:

Devices D44, D46 and D47

These devices are filed under application no. 467393 for modifying the Phase I control equipment at the Fuel Storage and Dispensing Facility. They can be found in Section D of the permit.

If you have any questions concerning these changes, please call the processing engineer, Mr. Thai Tran at (909) 396-2562.

Sincerely,

*Michael D. Mills*

Michael D. Mills, P.E.  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

MDM:MYL:RGC:TT  
Enclosure

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### 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 1 : ICE, EMERGENCY</b>					
<b>System 1 : GENERATION OF MECHANICAL POWER</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 690632-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284370	D1		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 690359-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284371	D2		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 690538-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284372	D3		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 690360-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284373	D4		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 707055-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284374	D5		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10

\* (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.

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<b>Process 1 : ICE, EMERGENCY</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 707056-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284375	D6		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 707057-3, DIESEL FUEL, CUMMINS, MODEL VT1710-635, WITH TURBOCHARGER, 435 HP A/N: 284376	D7		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 189020, DIESEL FUEL, CUMMINS, MODEL NH-220, WITH TURBOCHARGER, 220 HP A/N: 284378	D8		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.9, D12.1, D90.1, D323.1, K67.10
<b>System 2 : GENERATION OF ELECTRICAL POWER</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, GASOLINE, INTERNATIONAL HARVESTER CO., MODEL C-200, RICH BURN, 74 BHP A/N: 415635	D135		NOX: PROCESS UNIT**	NOX: 102 LBS/1000 GAL GASOLINE (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, D12.1, D90.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 7195, DIESEL FUEL, DETROIT, MODEL 3-71, NATURALLY ASPIRATED, SERIAL NO. 3A0079061, 106 BHP A/N: 408671	D126		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, C1.10, D12.1, D90.1, D323.1, K67.9

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 (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 AMERICAN AIRLINES INC (EIS USE)

### 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 1 : ICE, EMERGENCY</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8595, DIESEL FUEL, JOHN DEERE, MODEL CD36559T, SERIAL NO. 693785, WITH TURBOCHARGER, 114 BHP A/N: 408672	D127		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 3-16-2001; RULE 2012, 5-6-2005] ; PM: (9) [RULE 404, 2-7-1986]	C1.1, C1.10, D12.1, D90.1, D323.1, K67.9
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 6CTA8.36, SERIAL NO. E990906329, WITH AFTERCOOLER, TURBOCHARGER, 277 HP A/N: 361519	D133		NOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996] ; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]  NOX: 6.9 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996] ; PM: (9) [RULE 404, 2-7-1986] ; PM10: 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996]  ROG: 1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	C1.4, C1.10, D12.1, D90.1, D323.1, K67.9

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 (4) Denotes BACT emission limit  
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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : ICE, NON-EMERGENCY</b>					
<b>System 1 : AIR START UNIT</b>					
TURBINE, PORTABLE AIRCRAFT START UP, DIESEL FUEL, GARRET RESEARCH, MODEL GPU 85/90, ID NO. 1460, 4.29 MMBTU/HR A/N: 463994	D121		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005]  PM: (9) [RULE 404,2-7-1986] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]	D323.1
TURBINE, PORTABLE AIRCRAFT START UP, DIESEL FUEL, GARRET RESEARCH, MODEL GPU 85/90, ID NO. 1674, 4.29 MMBTU/HR A/N: 463995	D122		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005]  PM: (9) [RULE 404,2-7-1986] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]	D323.1
TURBINE, PORTABLE AIRCRAFT START UP, DIESEL FUEL, GARRET RESEARCH, MODEL GPU 85/90, ID NO. 4110, 4.29 MMBTU/HR A/N: 463997	D123		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005]  PM: (9) [RULE 404,2-7-1986] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]	D323.1

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 (2)(2A)(2B) Denotes RECLAIM emission rate  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : ICE, NON-EMERGENCY</b>					
INTERNAL COMBUSTION ENGINE, AIR START UNIT NO. 20141, PORTABLE, DIESEL FUEL, DETROIT DIESEL, MODEL 8063-7433, WITH AFTERCOOLER, TURBOCHARGER, 380 BHP A/N: 408675	D131		NOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR DIESEL (8); CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 6.9 GRAM/BHP-HR DIESEL (8); NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001  - RULE 2012,5-6-2005] ; PM: 0.4 GRAM/BHP-HR DIESEL (8); PM: (9) [RULE 404,2-7-1986] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]  VOC: 1 GRAM/BHP-HR DIESEL (8)	C1.3, D12.1, D323.1, E71.1, H23.5, K67.6
INTERNAL COMBUSTION ENGINE, AIR START UNIT NO. 20143, PORTABLE, DIESEL FUEL, DETROIT DIESEL, MODEL 8063-7433, WITH AFTERCOOLER, TURBOCHARGER, 380 BHP A/N: 408676	D132		NOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR DIESEL (8); CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 6.9 GRAM/BHP-HR DIESEL (8); NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,3-16-2001  RULE 2012,5-6-2005] ; PM: 0.4 GRAM/BHP-HR DIESEL (8); PM: (9) [RULE 404,2-7-1986] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]  VOC: 1 GRAM/BHP-HR DIESEL (8)	C1.3, D12.1, D323.1, E71.1, H23.5, K67.6

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 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
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<b>Process 3 : FUELING</b>					
<b>System 3 : ORGANIC LIQUID RECEIVING, STORAGE, AND DISPENSING</b>					
BULK LOADING/UNLOADING RACK, 1 POSITION TK TRUCK LOADING, WI/ 1 GASOLINE BOTTOM LOADING HOSE & 1 VAPOR RECOVERY HOSE, BOTH W/ DRY COUPLER A/N:	D47			ROG: (9) [RULE 461, OPW Phase I EVR Conditions, 6-3-2005]	D330.1, E71.3, H23.7, H23.9, J109.1, J110.1, J373.1
STORAGE TANK, UNDERGROUND, NO. 1, GASOLINE, OPW ( VR-102-A/I), 15000 GALS; DIAMETER: 9 FT 5 IN; LENGTH: 30 FT 2 IN A/N:	D44			ROG: (9) [RULE 461, OPW Phase I EVR Conditions, 6-3-2005]	D330.1, H23.7, J109.1, J120.1, J373.1, K67.1
FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, GASOLINE, G-70-52AM, WITH VAPOR LOCK BALANCE RECOVERY SYSTEM A/N:	D46			ROG: (9) [RULE 461, OPW Phase I EVR Conditions, 6-3-2005]	D330.1, H23.7, J110.1, J373.1
<b>Process 4 : COATING</b>					
<b>System 1 : MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE COATING</b>					
SPRAY COATING OPERATION, AUTOMOTIVE, 10 HP FAN, 19 FT W. X 15 FT H. X 40 FT D., WITH SPRAY BOOTH A/N: 415641	D140			PM: (9) [RULE 404, 2-7-1986] ; ROG: (9) [RULE 1107, 11-9- 2001; RULE 1107, 1-6-2006; RULE 1124, 12-13-1996; RULE 1124, 9- 21-2001	C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8

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 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : COATING</b>					
				<b>RULE 1151,12-11-1998;RULE 1151,12-2-2005;RULE 1168,10-3-2003;RULE 1168,1-7-2005;RULE 1171,11-7-2003;RULE 1171,7-14-2006</b>	
SPRAY COATING OPERATION, BINKS, 1-1/2 HP EXHAUST FAN, 10 FT W. X 8 FT H. X 10 FT D., WITH SPRAY BOOTH A/N: 415642	D141			<b>PM: (9) [RULE 404,2-7-1986] ; ROG: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 1124,9-21-2001;RULE 1151,12-11-1998 RULE 1151,12-2-2005;RULE 1168,10-3-2003;RULE 1168,1-7-2005;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</b>	C1.8, C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8
SPRAY COATING OPERATION, BINKS, FILTER TYPE, WITH SPRAY BOOTH A/N: A61114	D23			<b>PM: (9) [RULE 404,2-7-1986] ; ROG: (9) [RULE 1151,12-11-1998;RULE 1151,12-2-2005;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</b>	B27.1, C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8
<b>System 2 : COATING OF METAL PARTS AND PRODUCTS</b>					
SPRAY COATING OPERATION, CUSTOM, FILTER-FLOOR TYPE, WITH SPRAY BOOTH A/N: C27913	D26			<b>PM: (9) [RULE 404,2-7-1986] ; ROG: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 1171,11-7-2003;RULE 1171,7-14-2006]</b>	B27.1, C1.2; C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8

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<b>Process 5 : GENERATION OF THERMAL POWER</b>					
<b>System 2 : BOILER</b>					
BOILER, NO. 1, NATURAL GAS, CYCLOTHERM, MODEL CW-70, 6.695 MMBTU/HR A/N: 415636	D136		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005]  PM: (9) [RULE 404,2-7-1986]	C1.5, D12.4, E71.2, K67.12
BOILER, NO. 2, NATURAL GAS, CYCLOTHERM, MODEL CW-70, 6.695 MMBTU/HR A/N: 415638	D137		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,3-16-2001;RULE 2012,5-6-2005]  PM: (9) [RULE 404,2-7-1986]	C1.5, D12.4, E71.2, K67.12
BOILER, NO. 3, NATURAL GAS, KEWANEE, MODEL L3W-300-002, 12.55 MMBTU/HR A/N: 415639	D138		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1)	C1.5, D12.4, E71.2, K67.12
<b>Process 6 : RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E91				H23.2

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<b>Process 6 : RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AEROSOL CAN PUNCTURING WITH CARBON FILTER, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E92			VOC: (5) [RULE 1113,11-8-1996;RULE 1113,5-14-1999]	H23.6, K67.5
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E93			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.6
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E94				H23.3
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E95			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.4
HEATER, MULTIPLE UNITS FOR SPACE HEATING	E150			CO: 400 PPMV NATURAL GAS (5) [RULE 1146.2,1-9-1998;RULE 1146.2,1-7-2005]	
<b>Process 13 : FUGITIVE EMISSIONS</b>					
FUGITIVE EMISSIONS, VALVES A/N: 312990	D128				H23.8, K67.13

\* (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  
AMERICAN AIRLINES INC (EIS USE)**

**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  
 AMERICAN AIRLINES INC (EIS USE)**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
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D44	6	3	3
D46	6	3	3
D47	6	3	3
E91	8	6	0
E92	9	6	0
E93	9	6	0
E94	9	6	0
E95	9	6	0
D121	4	2	1
D122	4	2	1
D123	4	2	1
D126	2	1	2
D127	3	1	2
D128	9	13	0
D131	5	2	1
D132	5	2	1
D133	3	1	2
D135	2	1	2
D136	8	5	2
D137	8	5	2
D138	8	5	2
D140	6	4	1
D141	7	4	1
E150	9	6	0

## **FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC. (EIS USE)**

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

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

#### **FACILITY CONDITIONS**

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;

Hexavalent chromium

This condition shall only apply to spray coating applications.

[RULE 1401, 3-4-2005]

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

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

F14.2 The operator shall not use liquid fuel containing sulfur compounds in excess of 0.5 percent by weight.

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

F48.1 The operator shall not use at this facility natural gas containing sulfur compounds calculated as H<sub>2</sub>S in excess of 16 parts in a million by volume.

[RULE 431.1, 6-12-1998]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

- F58.1 For the purposes of monitoring, recording, and reporting under RECLAIM, portable internal combustion engine(s) and turbine(s) operated at this facility shall be monitored by a non-resettable timer to accurately indicate the elapsed operating time of the equipment unless monitored by a fuel meter meeting the following requirements:
6. The fuel meters shall not be equipped with keypad or buttons that allow changes to the programming or data contained in the units. Portable keypad may be used by the manufacturer or its representatives for testing, maintenance, or repair purposes. In addition, access to the program and data contained in the units shall be passcode protected. This passcode shall only be made available to the manufacturer or its designated representatives.
  5. An operation log shall be maintained to record every testing, maintenance, repair or calibration of a fuel meter. Each fuel meter log shall be positively identified for each fuel meter and the device it serves. The operation logs shall be kept at the facility for a minimum of three years after the end of each compliance year. These operation logs shall be made available to the Executive Officer or his representative upon demand.
  3. The calculations of electronic flow computers, for display of flow measurement results, shall be verified at time of fuel meter calibration by KRAL-USA, Inc. or its designated representatives. Calibration results shall be maintained at the facility and made available to the Executive Officer or his representatives upon demand for a minimum of three years after the date of calibration.
  7. Existing timer on each of the devices shall be maintained in good operation manner for a minimum of three years initial operation of the time meter. During this period, timer readings shall be made and recorded in the maintenance log on a quarterly basis.
  1. The devices served by the fuel meters shall be electrically wired in such a manner that its operation cannot be initiated without the fuel meters first being activated.
  2. The fuel meters and temperature transducers shall be calibrated annually by the manufacturer, KRAL-USA, Inc. or its designated representatives. Dual fuel meters shall be calibrated on the same day, using the same equipment. The fuel meters shall be calibrated as specified by KRAL-USA, Inc. in the protocols submitted to the South Coast Air Quality Management District dated July 17, 2001 without deviation unless written approval is granted.
  4. The fuel meters and its electronic components shall be sealed by the manufacturer, KRAL-USA, Inc., or its designated representatives. Such seal shall only be broken by the manufacturer or its authorized representative for purposes of testing, maintenance or repair purposes. The meter shall be re-sealed immediately after the completion of the test or repair.

[RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

### DEVICE CONDITIONS

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

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

B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D23, D26]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D126, D127, D135]

C1.2 The operator shall limit the coating and solvent usage to no more than 2.5 gallon(s) per day.

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

[Devices subject to this condition : D26]

C1.3 The operator shall limit the operating time to no more than 150 hour(s) in any one year.

[RULE 1401, 3-17-2000; RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : D131, D132]

C1.4 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D133]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

C1.5 The operator shall limit the fuel usage to no more than 90000 therms in any one year.

[RULE 1146, 11-17-2000]

[Devices subject to this condition : D136, D137, D138]

C1.8 The operator shall limit the coating and solvent usage to no more than 6 gallon(s) per day.

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

[Devices subject to this condition : D141]

C1.9 The operator shall limit the operating time to no more than 34 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing time in Rule 1470.

[RULE 1470(h)(15), 11-3-2006]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8]

C1.10 The operator shall limit the operating time to no more than 20 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing time in Rule 1470.

[RULE 1470, 11-3-2005]

[Devices subject to this condition : D126, D127, D133]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall monitor the differential pressure as specified in condition number 12-2.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D23, D26, D140, D141]

#### D. Monitoring/Testing Requirements

- D12.1 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 11-3-2005; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D126, D127, D131, D132, D133, D135]

- D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D23, D26, D140, D141]

- D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the combustion chamber.

[**RULE 1146, 11-17-2000**]

[Devices subject to this condition : D136, D137, D138]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

D90.1 The operator shall periodically monitor the operation hours of the engine according to the following specifications:

The operator shall monitor and record on a monthly basis the emergency hours of operation.

The operator shall monitor and record on a monthly basis the maintenance and testing hours.

The operator shall monitor and record on a monthly basis the other operating hours (with description of reason of operation).

The operator shall monitor and record the timer reading in hours at the beginning and end of operation every time the engine is started manually.

The operator shall monitor and record total hours of operation for the previous calendar year within the first fifteen days of January of each year.

[RULE 1470, 11-3-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D126, D127, D133, D135]

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 : D23, D26, D140, D141]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### 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 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 9-11-1998]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D121, D122, D123, D126, D127, D131, D132, D133]

## **FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)**

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

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

D330.1 The operator shall have a person that has been trained in accordance with Rule 461(d)(5) conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

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

[Devices subject to this condition : D44, D46, D47]

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

E71.1 The operator shall not operate this equipment for more than 12 consecutive months at any one location in this facility.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D131, D132]

E71.2 The operator shall only operate this equipment using natural gas.

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

[Devices subject to this condition : D136, D137, D138]

E71.3 The operator shall only bottom loading fuel from this equipment during the transfer of gasoline fuel from the underground storage tank into any tank truck. The vapor return line shall be connected between the underground tank and tank truck.

**[RULE 462, 5-14-1999]**

[Devices subject to this condition : D47]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

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

filter media at least 2 inches thick

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

[Devices subject to this condition : D23, D26, D140, D141]

#### 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	109
PM	District Rule	481

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

[Devices subject to this condition : D23, D26, D140, D141]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	B
Refrigerants	District Rule	1411

[RULE 1411, 3-1-1991; 40CFR 82 Subpart B, 7-14-1992]

[Devices subject to this condition : E91]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### 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	40CFR82, SUBPART	F

[40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E94]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 12-6-2002; RULE 1122, 10-1-2004]

[Devices subject to this condition : E95]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	40CFR89, SUBPART	B
NOX	40CFR89, SUBPART	B
PM	40CFR89, SUBPART	B
VOC	40CFR89, SUBPART	B

[40CFR 89 Subpart B, 7-1-2000]

[Devices subject to this condition : D131, D132]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

H23.6 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 : E92, E93]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

All phase I and phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

**[RULE 461, 6-3-2005]**

[Devices subject to this condition : D44, D46, D47]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	466.1

**[RULE 466.1, 5-2-1980; RULE 466.1, 3-16-1984]**

[Devices subject to this condition : D128]

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

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

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

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	462

The bulk loading vapor recovery system shall be certified by the California Resources Board (CARB) as required in Rule 462. The copy of the CARB bulk loading vapor recovery certification test results shall be retained on site and made available to District representatives upon request.

This class "B" loading facility shall be installed, operated, and maintained in accordance with District Rule 462.

**[RULE 462, 5-14-1999]**

[Devices subject to this condition : D47]

**J. Rule 461**

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D44, D47]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D46, D47]

## **FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)**

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

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

J120.1 The operator shall have at least one fuel storage tank at this facility that is methanol compatible and that is U.L. approved for methanol use.

[RULE 1170, 5-6-1988; **RULE 461, 6-3-2005**; RULE 461, 3-7-2008]

[Devices subject to this condition : D44]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

- a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

- b), dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure Method TP-201.4. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the dynamic back pressure test.

The test shall be conducted as frequently as that required by the most recent amendment to Rule 461 or CARB Executive Order requirements, whichever is more stringent.

- c). As required by AQMD Rule 461 or CARB Executive Order, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.545Xg by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

- d). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted within thirty days of initial installation and in accordance with CARB test procedure Method TP-201.6. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the liquid removal rate test.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

The testing frequency for the above mentioned tests shall be conducted in accordance with the most recent AQMD Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent. All records and test results that are required to be maintained by Rule 461 shall be kept on site and made available to AQMD representatives upon request.

[RULE 461, Balance Conditions, 1-9-2004]

[Devices subject to this condition : D44, D46, D47]

#### **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):

identify and locate methanol storage tank and its piping

state tank manufacturer and date of installation

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 462, 5-14-1999]

[Devices subject to this condition : D44]

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

weekly record of pressure drop across the filter media

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D23, D26, D140, D141]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

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

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 : D23, D26, D140, D141]

K67.5 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.

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

[Devices subject to this condition : E92]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

monthly hours of operation

fuel oil usage

**[RULE 1401, 3-4-2005; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D131, D132]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

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

material safety data sheets for all coatings and solvents used at this facility shall be kept current and made available to District personnel upon request.

The operator shall keep adequate records for this equipment to verify daily volatile organic compound emissions in pounds and the voc content of each material as applied including water and exempt solvent.

all records shall be prepared in a format which is acceptable to the District, shall be retained on the premises for at least five years and be made available to the District upon request.

[**RULE 109, 5-2-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D23, D26, D140, D141]

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

monthly hours of operation

[**RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D126, D127, D133]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

monthly hours of operation

reason for operation

dates of operation

[**RULE 1110.2, 6-3-2005; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

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

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

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Annual fuel usage, in therms, of this equipment

[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D136, D137, D138]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

inspection and repair of flanges and valves

[RULE 466.1, 5-2-1980; RULE 466.1, 3-16-1984]

[Devices subject to this condition : D128]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:  
  
(A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:

- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
- (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:

- (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
- (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

## **FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)**

### **SECTION K: TITLE V Administration**

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

#### EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

#### RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V 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 as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

#### REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
  - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
  - (B) The compliance status during the reporting period;
  - (C) Whether compliance was continuous or intermittent;
  - (D) The method(s) used to determine compliance over the reporting period and currently, and
  - (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**SECTION K: TITLE V Administration**

**PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

**FACILITY RULES**

*This facility is subject to the following rules and regulations:*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	12-6-2002	Non federally enforceable
RULE 1124	12-13-1996	Federally enforceable
RULE 1124	9-21-2001	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146.2	1-7-2005	Non federally enforceable
RULE 1146.2	1-9-1998	Federally enforceable
RULE 1151	12-11-1998	Federally enforceable
RULE 1151	12-2-2005	Non federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1170	5-6-1988	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	7-14-2006	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-17-2000	Non federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1411	3-1-1991	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1470	11-3-2005	Non federally enforceable
RULE 1470(h)(15)	11-3-2006	Non federally enforceable
RULE 2001	1-7-2005	Non federally enforceable
RULE 2001	5-6-2005	Federally enforceable
RULE 2002	1-7-2005	Federally enforceable
RULE 2004	4-6-2007	Non federally enforceable
RULE 2004	5-11-2001	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	2-6-2004	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-2-2008	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 461	3-7-2008	Non federally enforceable
RULE 461	6-3-2005	Federally enforceable
RULE 461, Balance Conditions	1-9-2004	Non federally enforceable
RULE 461, OPW Phase I EVR Conditions	6-3-2005	Non federally enforceable
RULE 462	5-14-1999	Federally enforceable

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**SECTION K: TITLE V Administration**

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 466.1	3-16-1984	Non federally enforceable
RULE 466.1	5-2-1980	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 82 Subpart B	7-14-1992	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable
40CFR 89 Subpart B	7-1-2000	Federally enforceable

User: monitor  
Host: xena.aqmd.gov  
Class: xena.aqmd.gov  
Job: 800196\_B

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1107 1-6-2006]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1107 1-6-2006]**

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Cur rent	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1107 11-9-2001]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<u>Coating</u>	<b>LIMITS</b>			
	<b>Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds</b>			
	<u>Air Dried</u>	<u>(lb/gal)</u>	<u>Baked</u>	<u>(lb/gal)</u>
General				
One-Component	275	(2.3)	275	(2.3)
Multi-Component	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone Release	420	(3.5)	420	(3.5)
High Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan Backing	420	(3.5)	420	(3.5)
Pretreatment Coatings	420	(3.5)	420	(3.5)

**FACILITY PERMIT TO OPERATE**  
**AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1107 11-9-2001]**

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1124 12-13-1996]

Except as otherwise provided in Rule 1124

(a) VOC Content of Coatings

- (1) The operator shall not apply to aerospace components any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

COATING	VOC LIMIT				
	Grams Per Liter of Coating				
	Less Water and Less Exempt Compounds				
	1/1/97	1/1/98	1/1/99	1/1/00	1/1/02
Primers					
General	350	350	350	350	350
Low Solids Corrosion Resistant Primer	650	650	650	350	350
Topcoat	420	420	420	420	420
Pretreatment Coating	780	780	780	780	780
Adhesive Bonding Primers					
General	805	805	805	805	250
Long Term (Metal to Structural Core Bonding)	800	800	800	250	250
Short Term (Metal to Structural Core Bonding)	250	250	250	250	250
Flight-Test Coating					
Used on Missiles or Single Use Target Craft	420	420	420	420	420
All Other	840	840	840	840	840
Fuel-Tank Coating					
General	420	420	420	420	420
Epoxy	680	680	420	420	420
Fuel-Tank Adhesive	620	620	620	620	620
Electric- or Radiation-Effect Coating	800	800	800	800	800
Touch-up, Line-Sealer Maskants	750	750	750	750	750
Photolithographic Maskant	850	850	850	850	850
Temporary Protective Coating	250	250	250	250	250
Space-Vehicle Coatings					
Electrostatic Discharge Protection Coating	800	800	800	800	800
Other Space-Vehicle Coatings	1000	1000	1000	1000	1000

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1124 12-13-1996]**

	1/1/97	1/1/98	1/1/99	1/1/00	1/1/02
<b>COATING</b>					
Adhesives	800	800	800	800	800
Wing Coating	750	750	750	750	750
Impact Resistant Coating	420	420	420	420	420
High-Temperature Coating	850	850	850	850	850
Antichafe Coating	600	600	600	600	600
Rain Erosion-Resistant Coating	800	800	800	800	800
Fire-Resistant Coating					
Civilian	650	650	650	650	650
Military	970	970	970	970	970
Conformal Coating	750	750	750	750	750
Sealant	600	600	600	600	600
Adhesives					
Non-Structural	250	250	250	250	250
Structural					
Autoclavable	50	50	50	50	50
Non-Autoclavable	850	850	850	850	850
Optical Anti-Reflective Coating	700	700	700	700	700
Wire Coatings					
Electronic Wire Coating	420	420	420	420	420
Anti-Wicking	420	420	420	420	420
Pre-Bonding Etchant	420	420	420	420	420
Phosphate Ester Resistant Ink	925	925	925	925	925
Metallized Epoxy Coating	700	700	700	700	700
Clear Topcoat	520	520	520	520	520
Scale Inhibitor	880	880	880	880	880
Primer Compatible with Rain Erosion-Resistant Coating	850	850	850	850	850

- (2) The operator shall not apply to aerospace assemblies and/or components any Unicoat, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of 420 grams of VOC per liter of coating, less water and less exempt compounds. Documents shall be provided to the Executive Officer or his designee demonstrating that the unicoat is being used in lieu of the application of a primer and topcoat, and the applicant must receive written approval for the use of the unicoat specifying the conditions of application from the Executive Officer or his designee.

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1124 12-13-1996]**

Maskant Requirements (3)

- (A) The operator shall not apply maskant for chemical processing to aerospace components unless the emissions are collected and reduced pursuant to subparagraph (c)(5) of Rule 1124, or the maskant contains less than 250 grams of VOC per liter of coating, less water and less exempt compounds, and less perchloroethylene (PERC).
- (B) The operator shall not apply maskant for chemical milling to aerospace components unless the emissions are collected and reduced pursuant to subparagraph (c)(5) of Rule 1124, or the maskant contains less than 250 grams of VOC per liter of coating, less water and less exempt compounds.

(4) Fastener Installation:

The operator shall not use any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, to install any fastener into any aerospace component or assembly, which contain VOC in excess of the limits specified below:

COATING	VOC LIMIT
	Grams Per Liter of Coating, Less Water and Less Exempt Compounds
Solid-Film Lubricant	880
Dry Lubricative Materials	675

(5) Fastener-Lubricative Coatings:

The operator shall not apply to aerospace fastener any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

COATING	VOC LIMIT	
	Grams Per Liter of Coating, Less Water and Less Exempt Compounds	
	1/1/97	1/1/98
Solid-Film Lubricant	800	250
Dry Lubricative Materials	120	120
Barrier Coating	420	420

(6) Non-Fastener Lubricative Coatings:

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1124 12-13-1996]

The operator shall not apply to any non-fasten coating, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

COATING	VOC LIMIT Grams Per Liter of Coating, Less Water and Less Exempt Compounds
Solid-Film Lubricant .	880
Dry Lubricative Materials	675

(7) For low-solids adhesive coatings or sealants, the appropriate limits in paragraph (a)(1) shall be expressed in grams of VOC per liter of material.

(b) Solvent Use, Clean Up, and Stripping

- (1) The operator shall not use VOC-containing materials for cleaning or clean up, excluding coating stripping and equipment cleaning unless:
  - (A) the VOC composite partial pressure is 45 mm Hg or less at a temperature of 20°C (68°F); or
  - (B) the material contains 200 grams or less of VOC per liter of material.
- (2) The operator shall not use stripper on aerospace components unless:
  - (A) it contains less than 300 grams of VOC per liter of material; or
  - (B) the VOC composite partial pressure is 9.5 mm Hg (0.18 psia) or less at 20°C (68°F).
- (3) The operator shall not atomize any solvent into open air.

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1124 9-21-2001]**

Except as otherwise provided in Rule 1124

- (1) VOC Content of Aerospace Materials
  - (A) A person shall not apply to aerospace components any materials, including any VOC-containing materials added to the original material supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<b>VOC Limit</b>			
<b>Grams of VOC per Liter, Less Water and Less Exempt Compounds</b>			
<b>Primers</b>	<b>Current VOC Limit</b>	<b>VOC Limit Effective 1-1-03</b>	<b>VOC Limit Effective 1-1-05</b>
General Primer	350	350	350
Low-Solids Corrosion Resistant Primer	350	350	350
Pretreatment Primer	780	780	780
Rain Erosion-Resistant Coating Compatible Primer	850	850	850
Adhesion Promoter	850	850	250
<b>Adhesive Bonding Primer</b>			
New Commercial Aircraft	805	250	250
All Military Aircraft	805	805	805
Remanufactured Commercial Aircraft Parts	805	805	805
Sonic and Acoustic Applications	805	805	805
<b>Adhesive Bonding Primer</b>			
Long Term	250	250	250
Short Term	250	250	250

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1124 9-21-2001]**

Coatings	Current VOC Limit	VOC Limit Effective 3-01-02
Topcoat	420	420
Clear Topcoat	520	520
Unicoat	420	420
Wing Coating	750	750
Impact Resistant Coating	420	420
High-Temperature Coating	850	850
Antichafe Coating	600	420
Rain Erosion-Resistant Coating	800	800
Conformal Coating	750	750
Optical Anti-Reflective Coating	700	700
Scale Inhibitor	880	880
Metallized Epoxy Coating	700	700
Electric or Radiation Effect Coating	800	800
Temporary Protective Coating	250	250
Fuel Tank Coatings	420	420
Mold Release Coatings	780	780
Flight Test Coatings		
Used on Missiles or Single Use Target Craft	420	420
All Other	840	840
Fire Resistant Coatings		
Commercial	650	650
Military	970	800
Wire Coatings		
Phosphate Ester Resistant Ink	925	925
Other	420	420
Space Vehicle Coatings		
Electrostatic Discharge Protection Coating	800	800
Other	1000	1000

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1124 9-21-2001]**

<b>Adhesives</b>	<b>Current VOC Limit</b>
Non-Structural Adhesive	250
Structural Adhesive	
Autoclavable	50
Non-Autoclavable	850
Space Vehicle Adhesive	800
Fuel Tank Adhesive	620

<b>Sealants</b>	<b>Current VOC Limit</b>	<b>VOC Limit Effective 3-01-02</b>
Fastener Sealant	675	675
Extrudable, Rollable or Brushable Sealant	600	280
Other	600	600

<b>Maskants</b>	<b>Current VOC Limit</b>
For Chemical Processing	250
For Chemical Milling	
Type I	250
Type II	160
Photolithographic	850
Touch-up, Line Sealer Maskants	750

<b>Lubricants</b>	<b>Current VOC Limit</b>
Fastener Installation	
Solid-Film Lubricant	880
Dry Lubricative Materials	675
Fastener-Lubricative Coatings, Fastener Manufacturing	
Solid Film Lubricant	250
Dry Lubricative Materials	120
Barrier Coating	420
Non-Fastener Lubricative Coatings, Fastener Manufacturing	
Solid Film Lubricant	880
Dry Lubricative Materials	675

**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1124 9-21-2001]**

<b>VOC LIMIT</b> <b>Grams of VOC per Liter of Material</b>	
<b>Cleaning Solvents and Strippers</b>	<b>Current VOC Limit</b>
Cleaning Solvents	200 g/L or 45 mm Hg VOC Composite Partial Pressure
Strippers	300 g/L or 9.5 mm Hg VOC Composite Partial Pressure

- (B) Documents shall be provided to the Executive Officer or his designee demonstrating that unicoat is being used in lieu of the application of a primer and topcoat, and the applicant must receive written approval for the use of unicoat specifying the conditions of application from the Executive Officer or his designee.
  - (C) For low-solids adhesives, coatings, primers or sealants, the appropriate limits in subparagraph (c)(1)(A) shall be expressed in grams of VOC per liter of material.
- (2) Solvent Cleaning Operations; Storage and Disposal of VOC-Containing Materials
- (A) Cleaning of material application equipment and storage of solvent laden cloth and paper shall comply with provisions of Rule 1171.
  - (B) A person shall not atomize any solvent into open air.

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1151 12-11-1998]**

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

The operator who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

**TABLE 1**

**VOC LIMITS**  
 Grams Per Liter of Coating,  
Less Water and Exempt Compounds

<u>COATING</u>	On and After <u>December 12, 1998</u>	
	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

\*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobil equipment will be 3.5 lb/gal (less water and exempt compounds).

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]

(B) Group II Vehicles

The operator who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

**TABLE 2**

**VOC Limits**  
 Grams Per Liter of Coating,  
Less Water and Exempt Compounds

COATING	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day <sup>1</sup>	540	4.5	420 <sup>1</sup>	3.5	420	3.5
< 2 gal/day <sup>2</sup>	540	4.5	540 <sup>2</sup>	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

<sup>1</sup> On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

<sup>2</sup> Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

(2) Exempt Compounds

The operator shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1151 12-11-1998]**

The operator shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1151 12-2-2005]**

**The following limits of this rule shall sunset on June 30, 2008, and the limits specified in Appendix A shall become effective on July 1, 2008.**

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

A person who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1151 12-2-2005]**

**TABLE 1**

**VOC LIMITS  
Grams Per Liter of Coating,  
Less Water and Exempt Compounds**

<u>COATING</u>	On and After December 12, 1998	
	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

\*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobile equipment will be 3.5 lb/gal (less water and exempt compounds).

(B) Group II Vehicles

A person who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1151 12-2-2005]**

**TABLE 2**

**VOC Limits**  
 Grams Per Liter of Coating,  
Less Water and Exempt Compounds

COATING	On and After <u>December 12,</u> <u>1998</u>		On and After <u>July 1, 1999</u>		On and After <u>October 1, 1999</u>	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day <sup>1</sup>	540	4.5	420 <sup>1</sup>	3.5	420	3.5
< 2 gal/day <sup>2</sup>	540	4.5	540 <sup>2</sup>	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

<sup>1</sup> On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

<sup>2</sup> Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1151 12-2-2005]**

(2) Exempt Compounds

A person shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

A person shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

**Appendix A**

**Effective July 1, 2008, the emission limits specified in this appendix shall become effective and replace the limits specified above**

Except as otherwise provided in Rule 1151

- (1) A person shall not apply any coating to a vehicle, mobile equipment, or associated parts or components, that have a VOC content in excess of the limits contained in Table A of this paragraph. Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment or parts and components.

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1151 12-2-2005]**

**Table A – Coating Categories and VOC limits**

Coating Categories	VOC Limits Less Water and Less Exempt Compounds					
	Effective Dates					
	July 1, 2008		January 1, 2009		January 1, 2010	
	g/L	lb/gal	g/L	lb/gal	g/L	lb/gal
Adhesion Promoter					540	4.5
Clear Coating	250	2.1				
Color Coating	420	3.5				
Multi-Color Coating			680	5.7		
Pretreatment Coating			660	5.5		
Primer					250	2.1
Single-Stage Coating					340	2.8
Temporary Protective Coating			60	0.5		
Truck Bed Liner Coating			310	2.6		
Underbody Coating			430	3.6		
Uniform Finishing Coating			540	4.5		
Any other coating type			250	2.1		

**FACILITY PERMIT TO OPERATE**  
**AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1151 12-2-2005]**

- (1) **Most Restrictive VOC Limit**  
If any representation on information on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a person that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in paragraph (1), then the lowest VOC content limit shall apply.
- (2) **VOC Limits Compliance Dates**  
The VOC limits in effect as of December 2, 2005 shall be applicable until superceded by the VOC limits and effectives dates in Table A of paragraph (1).
- (3) **Exempt Compounds**  
A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any coating which contains any Group II Exempt Compounds as defined in Rule 102.
- (4) **Carcinogenic Materials**  
A person shall not manufacture the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

#### VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit*
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 1-7-2005]**

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

\*\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

**FACILITY PERMIT TO OPERATE**  
**AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 1-7-2005]**

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

<b>Substrate Specific Applications</b>	<b>Current VOC Limit*</b>
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

<b>Sealants</b>	<b>Current VOC Limit*</b>
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

**FACILITY PERMIT TO OPERATE  
AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1168 1-7-2005]**

<b>Sealant Primers</b>	<b>Current VOC Limit*</b>
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1168 10-3-2003]

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

#### VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 10-3-2003]**

.Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit	6-7-02	1-1-03	1-1-05
PVC Welding	510			285
CPVC Welding	490			270
ABS Welding	400			
Plastic Cement Welding	350			250
Adhesive Primer for Plastic	650			250
Computer Diskette Manufacturing	350			
Contact Adhesive	250		80	
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	250	540		250

\*\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

Substrate Specific Applications	Current VOC Limit
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 10-3-2003]**

<b>Substrate Specific Applications</b>	<b>Current VOC Limit</b>
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

<b>Sealants</b>	<b>Current VOC Limit</b>
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

<b>Sealant Primers</b>	<b>Current VOC Limit</b>
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

**FACILITY PERMIT TO OPERATE  
 AMERICAN AIRLINES INC (EIS USE)**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 11-7-2003]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 7-14-2006]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 7-14-2006]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components		
(I) Newsprint	100 (0.83)	

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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 7-14-2006]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 404 2-7-1986]**

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 404 2-7-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC (EIS USE)

### APPENDIX B: RULE EMISSION LIMITS [RULE 461, OPW Phase I EVR Conditions 6-3-2005]

#### GASOLINE TRANSFER AND DISPENSING, OPW PHASE I EVR CONDITIONS

1. At least seventy-two (72) hours prior to back-filling any underground storage tank or piping, the SCAQMD shall be notified by e-mail at [r461backfill@AQMD.gov](mailto:r461backfill@AQMD.gov) or by facsimile at telephone number (909) 396-3606. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the back-filling procedure. The back-filling procedure shall not commence until inspected by a District representative.
2. Depending on the system configuration, either a leak rate test of drop tube/drain valve assembly shall be conducted to quantify the pressure integrity of both the drop tube and drain valve seal or a leak rate test of drop tube overflow prevention device and drain valve shall be conducted to quantify the pressure integrity of the drop tube overflow prevention device and the pressure integrity of the spill container drain valve. Either test shall be conducted in accordance with test procedure method TP-201.1C or TP-201.1D, respectively. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.
3. A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within thirty days (30) after the start of operation of the OPW Phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method TP-201.1E. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test. This test result shall be kept on site for three (3) years and made available to District representatives upon request.
4. A static torque test of rotatable Phase I adaptors shall be conducted to quantify the amount of static torque required to start the rotation of the rotatable Phase I adaptors. The test shall be conducted in accordance with the test procedure method outlined in TP-201.1B. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.
5. The AQMD shall be notified by e-mail at [r461testing@AQMD.gov](mailto:r461testing@AQMD.gov) or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to any of the above mentioned testing requirements. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.

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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 461, OPW Phase I EVR Conditions 6-3-2005]**

6. The testing for the above mentioned tests shall be conducted in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.
7. All records and test results that are required to be maintained by Rule 461 shall be kept on site for four years and made available to District representatives upon request.