



South Coast Air Quality Management District

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

July 30, 2014

Gerardo Rios (R9AirPermits_sc@epa.gov)
Chief – Permit Office
U.S. EPA – Region IX – Air – 3
75 Hawthorne Street
San Francisco, CA 94105

Subject: American Airlines, Inc. (ID 800196) Title V Permit Revision

Dear Mr. Rios:

American Airlines, Inc. needs to revise their Title V permit due to the modification of the gasoline fueling system, identified in devices D151, D152 and D153.

This is a scheduled air passenger transportation facility (NAICS 481111) located at 7260 World Way West, Los Angeles, CA 90045. This proposed permit revision is considered as a “minor permit revision” to their Title V permit. Attached for your review are the evaluation and permit for the proposed revision.

With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on July 30, 2014.

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

Sincerely,

A handwritten signature in black ink that reads "Mohan Balagopalan".

Mohan Balagopalan
Senior Manager
Chemical, Mechanical, and Ports Permitting

MB:TT
563689 EPA Letter

Attachments

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

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 |
|--|--------|--------------|---|--|--|
| Process 1: ICE, EMERGENCY | | | | | |
| System 1: GENERATION OF MECHANICAL POWER | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, S/N 674875, DIESEL FUEL, CUMMINS, MODEL H-6-1F, WITH TURBOCHARGER, 220 HP A/N: 514237 | D8 | | NOX: PROCESS UNIT** | NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986] | C1.1, C1.9, D12.1, D90.1, D323.1, K67.10 |
| System 2: GENERATION OF ELECTRICAL POWER | | | | | |
| 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, 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, 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, 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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986] | C1.1, C1.10, D12.1, D90.1, D323.1, K67.9 |

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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| Process 1- ICE, EMERGENCY | | | | | |
| 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: 6.9 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; 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 |

* (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
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|---|--------|--------------|---|--|---|
| Process 1: ICE, EMERGENCY | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3516C-HD, 3634 BHP WITH A/N: 539710 | D158 | | NOX: PROCESS UNIT** | CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 5-4-2012; RULE 2005, 6-3-2011; 40CFR 63 Subpart IIII, 12-22-2006]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2005, 6-3-2011]; NOX + ROG: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002; RULE 1470, 5-4-2012; RULE 2005, 6-3-2011; 40CFR 60 Subpart IIII, 6-28-2011]; PM: 0.023 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002; RULE 1470, 5-4-2012; RULE 2005, 6-3-2011; 40CFR 60 Subpart IIII, 6-28-2011] | C1.4, C1.14, D12.1, E57.1, E448.2, E448.3, H23.10, I297.1, K67.15 |
| FILTER, DIESEL PARTICULATE, RYPOS, MODEL ADPF-7-8 | C159 | | | | E448.1 |
| Process 2: ICE, NON-EMERGENCY | | | | | |
| System 1: AIR START UNIT | | | | | |
| 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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982] | D323.1 |

* (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.)
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|--|--------|--------------|---|--|--|
| Process 2: ICE, NON-EMERGENCY | | | | | |
| 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, 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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982] | D323.1 |
| 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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.4 GRAM/BHP-HR DIESEL (8); 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 |

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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|---|--------|--------------|---|---|--|
| Process 2: ICE, NON-EMERGENCY | | | | | |
| 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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.4 GRAM/BHP-HR DIESEL (8) ; 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 |
| Process 3: FUELING | | | | | |
| System 1: ORGANIC LIQUID RECEIVING, STORAGE, AND DISTRIBUTION, UNDERGROUND | | | | | |
| BULK MATERIAL LOADING STATION, TERMINAL 4, JET FUEL (JPA), WITH 23 FUEL PITS, EACH WITH A 4" CLA-VAL VALVE, 2 ISOLATION VALVE PITS, 2 FLUSHING PITS & 1 VAULT WITH A/N: 529455 FUGITIVE EMISSIONS, VALVES | D156 | | | | C1.16, E71.5, E71.6, K67.16 |
| System 2: ORGANIC LIQUID RECEIVING, STORAGE, AND DISTRIBUTION, ABOVEGROUND | | | | | |
| BULK LOADING/UNLOADING RACK, 1 POSITION TK TRUCK LOADING, GASOLINE, W/ 1 GASOLINE BOTTOM LOADING HOSE & 1 VAPOR RECOVERY HOSE, BOTH W/ DRY COUPLER, 1 TOTAL A/N: | D151 | | | ROG: (9) [RULE 461, OPW Phase I EVR Conditions, 6-3-2005] | C1.11, D330.1, J373.2, K67.17 |

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

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|--|--------|--------------|---|--|---|
| Process 3: FUELING | | | | | |
| FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, GASOLINE, HEALY MODEL 400 ORVR W/ PROCESSOR (G-70-187), 1 TOTAL A/N: | D152 | | | | C1.12, D330.1, J373.2, K67.17 |
| STORAGE TANK, FIXED ROOF, GASOLINE, VR-301-E, 12000 GALS; DIAMETER: 9 FT 7 IN; LENGTH: 33 FT 10 IN A/N: | D153 | | | | D330.1, J373.2, K67.17 |
| Process 4: COATING | | | | | |
| System 1: MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE COATING | | | | | |
| 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, 9-21-2001; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009] | C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8 |
| 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 | | | 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, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009] | C1.8, 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
 (2) (2A) (2B) Denotes RECLAIM emission rate
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|---|--------|--------------|---|---|---|
| Process 4: COATING | | | | | |
| SPRAY COATING OPERATION, BINKS, FILTER TYPE, WITH SPRAY BOOTH A/N: A61114 | D23 | | | 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, 5-1-2009] | B27.1, C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8 |
| System 2: COATING OF METAL PARTS AND PRODUCTS | | | | | |
| SPRAY COATING OPERATION, CUSTOM, FILTER-FLOOR TYPE, WITH SPRAY BOOTH A/N: C27913 | D26 | | | 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, 5-1-2009] | B27.1, C1.2, C6.1, D12.2, D322.1, E175.1, H23.1, K67.3, K67.4, K67.8 |
| Process 5: GENERATION OF THERMAL POWER | | | | | |
| System 2: BOILER | | | | | |
| 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; RULE 1146, 9-5-2008]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [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; RULE 1146, 9-5-2008]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986] | C1.5, D12.4, E71.2, K67.12 |

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|---|--------|--------------|---|---|----------------------------|
| Process 5: GENERATION OF THERMAL POWER | | | | | |
| 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; RULE 1146, 9-5-2008]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005] | C1.5, D12.4, E71.2, K67.12 |
| Process 6: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES | | | | | |
| RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS, | E91 | | | | H23.2 |
| RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS | E93 | | | VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009] | 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, 5-1-2009] | H23.4 |
| HEATER, MULTIPLE UNITS FOR SPACE HEATING | E150 | | | CO: 400 PPMV NATURAL GAS (5) [RULE 1146.2, 5-5-2006] | |

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**FACILITY PERMIT TO OPERATE
AMERICAN AIRLINES INC**

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
 SECTION D: DEVICE ID INDEX**

| Device Index For Section D | | | |
|-----------------------------------|---------------------------|----------------|---------------|
| Device ID | Section D Page No. | Process | System |
| D8 | 1 | 1 | 1 |
| D23 | 7 | 4 | 1 |
| D26 | 7 | 4 | 2 |
| E91 | 8 | 6 | 0 |
| E93 | 8 | 6 | 0 |
| E94 | 8 | 6 | 0 |
| E95 | 8 | 6 | 0 |
| D121 | 3 | 2 | 1 |
| D122 | 4 | 2 | 1 |
| D123 | 4 | 2 | 1 |
| D126 | 1 | 1 | 2 |
| D127 | 1 | 1 | 2 |
| D131 | 4 | 2 | 1 |
| D132 | 5 | 2 | 1 |
| D133 | 2 | 1 | 2 |
| D135 | 1 | 1 | 2 |
| D136 | 7 | 5 | 2 |
| D137 | 7 | 5 | 2 |
| D138 | 8 | 5 | 2 |
| D140 | 6 | 4 | 1 |
| D141 | 6 | 4 | 1 |
| E150 | 8 | 6 | 0 |
| D151 | 5 | 3 | 2 |
| D152 | 6 | 3 | 2 |
| D153 | 6 | 3 | 2 |
| D156 | 5 | 3 | 1 |
| D158 | 3 | 1 | 2 |
| C159 | 3 | 1 | 2 |

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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 H₂S in excess of 16 parts in a million by volume.

[RULE 431.1, 6-12-1998]

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:

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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.
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.
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.
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.
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.

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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.

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

DEVICE CONDITIONS

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, 7-9-2010; **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 : D8, D126, D127, D135]

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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, 7-9-2010; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 6-3-2011; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; 40CFR 60 Subpart III, 7-11-2006**]

[Devices subject to this condition : D133, D158]

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]

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 : 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, 6-1-2007]

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

C1.11 The operator shall limit the gasoline dispensed to no more than 29766 gallon(s) in any one calendar month.

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

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D151]

- C1.12 The operator shall limit the gasoline dispensed to no more than 33567 gallon(s) in any one calendar month.

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

[Devices subject to this condition : D152]

- C1.14 The operator shall limit the maintenance and testing to no more than 50 hour(s) in any one year.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012; RULE 2005, 6-3-2011; 40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D158]

- C1.16 The operator shall limit the loading rate of JETA fuel to no more than 16,600,000 gallon(s) in any one calendar month.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1401, 9-10-2010]

[Devices subject to this condition : D156]

- 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.

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007; RULE 2005, 6-3-2011; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D8, D126, D127, D131, D132, D133, D135, D158]

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

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, 6-1-2007; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : 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

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.

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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 : D8, D121, D122, D123, D126, D127, D131, D132, D133]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 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; RULE 461, 6-3-2005; RULE 461, 4-6-2012; RULE 461, OPW Phase I EVR Conditions, 6-3-2005]

[Devices subject to this condition : D151, D152, D153]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to a Diesel Particulate Filter which is fully functional and is certified by California Air Resource Board as level 3 whenever it is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 5-4-2012; RULE 2005, 6-3-2011; 40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D158]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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]

E71.5 The operator shall only operate this equipment to transfer jet-A fuel.

[RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 1401, 9-10-2010]

[Devices subject to this condition : D156]

E71.6 The operator shall only operate this equipment to transfer fuel to aircraft.

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

[Devices subject to this condition : D156]

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]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

E448.1 The operator shall comply with the following requirements:

Removal of the diesel particulate filter's filter media for cleaning may only occur under the following conditions:

- A. The internal combustion engine shall not be operated for maintenance and testing or any other non-emergency use while the diesel particulate filter media is removed; and
- B. The diesel particulate filter's filter media shall be returned and re-installed within 10 working days from the date of removal; and
- C. The owner or operator shall maintain records indicating the date(s) the diesel particulate filter's filter media was removed for cleaning and the date(s) the filter media was re-installed. Records shall be retained for a minimum period of 5 years.

[40CFR 60 Subpart IIII, 6-28-2011]

[Devices subject to this condition : D158]

E448.2 The operator shall comply with the following requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The engine shall comply with the emission standards specified in 40 CFR 60.4204(b) and 4205(b). The operator must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b), or 4205(b) or (c), as applicable, for the model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

The engine and the control device shall be operated and maintained in accordance with the manufacturer's written emission-related instructions or procedures developed by the operator that are approved by the engine manufacturer. Changes to those emission-related settings that are set by the manufacturer are not allowed.

[40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D158]

E448.3 The operator shall comply with the following requirements:

The engine and the Rypos diesel particulate filter shall be operated in accordance with CARB Executive Order DE-07-001-03 or later version.

Filter cleaning is required every 1000 hours of operation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 5-4-2012; 40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D158]

H. Applicable Rules

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

| Contaminant | Rule | Rule/Subpart |
|-------------|------|--------------|
| | | |

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

| | | |
|-----|---------------|-----|
| 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]

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:

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

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 1122 |

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[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]

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]

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

[Devices subject to this condition : E93]

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

| Contaminant | Rule | Rule/Subpart |
|------------------|---------------|--------------|
| CO | District Rule | 1470 |
| NOX | District Rule | 1470 |
| PM10 | District Rule | 1470 |
| ROG | District Rule | 1470 |
| Sulfur compounds | District Rule | 431.2 |

[RULE 1470, 5-4-2012; **RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000; **40CFR 60 Subpart III, 7-11-2006**]

[Devices subject to this condition : D158]

I. Administrative

I297.1 This equipment shall not be operated unless the facility holds 1520 pounds of NO_x RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D158]

J. Rule 461

J373.2 The operator shall comply with the following gasoline transfer and dispensing requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

SECTION II: PHASE I VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

- a) Phase I vapor recovery system in full operation whenever fuel being transferred into storage tank.
- b) A Leak Rate and Cracking Pressure Test of pressure/vacuum relieve vent valves shall be conducted within ten (10) days after the start of operation of the 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 (October 8, 2003).

Results shall be submitted to the SCAQMD, Office of Engineering and Compliance, within seventy two (72) hours of test. This test result shall be kept on site for five (5) years and made available to District representatives upon request.

SECTION III: PHASE II VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

- c) Phase II vapor recovery systems shall be in full operation whenever fuel being transferred into motor vehicles, as defined in Rule 461.
- d) A static pressure integrity test for aboveground storage tanks shall be conducted to demonstrate that the storage tanks, the nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted as outlined in exhibit 3 of CARB executive order G-70-187 as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.
- e) A vapor return line vacuum integrity test shall be conducted to verify the vapor tightness of the portion of the Healy system which is subjected to relatively high levels of vacuum in the vapor return lines. The test shall be conducted as outlined in exhibit 4 of CARB executive order G-70-187 as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of

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

Engineering and Compliance, within seventy-two (72) hours of test.

f) A fillneck vapor pressure regulation fueling test shall be conducted to verify proper operation of the nozzle boot pressure regulation. The test shall be conducted in accordance with exhibit 5 of CARB executive order G-70-187 as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.

g) The owner/operator shall be responsible to perform the testing and inspection requirements as outlined in exhibit 2, "Specifications for the Healy model 400 ORVR vapor recovery system for aboveground storage tank systems of CARB executive order G-70-187.

SECTION IV: BULK LOADING OPERATION REQUIREMENTS

h) The bulk loading/unloading equipment shall be operated for bottom loading only during the transfer of gasoline fuel from the aboveground gasoline storage tank into any tank truck. All vapor return lines shall be connected between the aboveground gasoline storage tank and tank truck.

i) The bulk loading/unloading equipment shall not be used for loading more than 29,766 gallons per day of organic liquids having a vapor pressure of 1.5 psia or greater under actual loading conditions.

j) This Class "B" loading facility shall be installed, operated, and maintained in accordance with district Rule 462.

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

SECTION V: GENERAL REQUIREMENTS

l) All phase I and phase II vapor recovery equipment at this facility shall be installed,

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

operated and maintained to meet all CARB certification requirements.

m) All permit conditions applicable to the equipment described in the previous permit to operate G7825 (A/N 503183) shall remain in effect until the new or modified equipment is constructed and operated as described in this new permit. This permit to construct/operate shall become invalid if the modification as described in the equipment description has not been completed within one year from the issue date.

If the modification has not been completed within one year from the issue date of this permit, a written request shall be submitted to the SCAQMD (Attention: Randy Matsuyama) to reinstate the previously inactivated permit to operate. A new application shall be filed if there are plans to continue with the modification. Furthermore, this condition does not allow any time extensions to any modifications required by CARB or SCAQMD.

n) New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current or certified person who has successfully completed the manufacturer's training course and appropriate International Code Council (ICC) Certification. Completion of any SCAQMD training course does not constitute as a substitute for this requirement. Proof of successful completion of a manufacturer training course shall be with the manufacturer.

o) The District at its discretion may wish to witness the installation and/or performance testing of the new vapor recovery equipment. At least seventy-two (72) hours prior to the installation of the equipment and any of the mentioned testing requirements in this permit, the applicant shall notify SCAQMD electronically or other means as specified by the Executive Officer.

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.

p) Unless SCAQMD Rule 461 requires a more frequent testing or inspection

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

schedule, the owner/operator shall be responsible to perform the scheduled weekly, quarterly and annual inspections as outlined in the CARB approved installation, operation, and maintenance manual for the Morrision Bros, Phase I EVR system, as well as all the required vapor recovery system tests as per the current and appropriate CARB Executive Order.

q) At least seventy-two (72) hours prior to back-filling any underground piping, the SCAQMD shall be notified electronically or other means as specified by the Executive Officer. 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 backfilling procedure shall not commence until inspected by a District representative.

r) SCAQMD shall be notified electronically or other means as specified by the Executive Officer 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.

s) 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.

t) A copy of the pass/fail test results shall be sent by the Tester electronically or other means specified by the Executive Officer within seventy-two (72) hours after each test is conducted. Furthermore, the final test results demonstrating compliance shall also be submitted electronically or other methods specified at the time by the Executive Officer within fourteen (14) calendar days from the date when all tests were passed.

The test report shall include at minimum all the required records of all tests performed, test data, current AQMD Facility ID No. of the location being tested, the equipment Permit to Operate or Application No., the AQMD ID number of the company performing the tests, a statement whether the system or component tested meets the required standards, and the name, AQMD Tester ID No. and signature of

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

the person responsible for conducting the tests.

u) All records and test results that are required to be maintained by Rule 461 shall be kept on site and made available to district representatives upon request.

v) The operator shall have a person that has been trained in accordance with Rule 461 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 461, 6-3-2005; RULE 461, 3-7-2008]

[Devices subject to this condition : D151, D152, D153]

K. Record Keeping/Reporting

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]

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

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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]

K67.6 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]

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

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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, 7-9-2010; 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

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 1110.2, 7-9-2010; 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 : D8]

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]

K67.15 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

total hours of operation of the engine for each month for 1) emergency use, 2) testing and Maintenance, 3) other uses - describe reason of operating

Indication of whether the engine is started manually or automatically

each time the engine is manually started, the log shall include the date of operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths of hours) at the beginning and end of operation

The annual total hours of operation (include hours for manual and automatic operation) which shall be recorded no later than January 15th of the following year

The records shall be kept for a minimum of five calendar years prior to the current year and made available to District personnel upon request.

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1110.2, 7-9-2010; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; **RULE 1304(c)-Offset Exemption, 6-14-1996**; RULE 1470, 5-4-2012; **RULE 2005, 6-3-2011**; **RULE 2012, 5-6-2005**; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**; 40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D158]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly loading rate of jet A fuel being transferred by this equipment

Records shall be kept for minimum five years and made available upon request

[**RULE 1304(c)-Offset Exemption, 6-14-1996**; RULE 1401, 9-10-2010; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D156]

K67.17 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly loading rate of gaoline being transferred to tank trucks

Monthly loading rate of gasoline being transferred to motor vehicles

The owner/operator shall submit the facility's monthly gasoline throughput data for the previous calendar year to the Executive Officer on or before March 1 following each calendar year.

Records shall be kept for minimum five years and made available upon request

FACILITY PERMIT TO OPERATE AMERICAN AIRLINES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 9-10-2010; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D151, D152, D153]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
 STATIONARY SOURCE COMPLIANCE
 APPLICATION PROCESSING AND CALCULATIONS

PAGE 1 OF 3
 APPL. NO. 563689
 PROCESSED BY TT
 CHECKED BY
 DATE 6/18/2014

COMPANY NAME: AMERICAN AIRLINES, INC.

MAILING ADDRESS: P. O. BOX 5970
 LOS ANGELES, CA 90045

EQUIPMENT LOCATION: 7260 WORLD WAY WEST
 LOS ANGELES, CA 90045

EQUIPMENT DESCRIPTION:

Revision of Title V (TV) permit to include a modified Fuel Storage and Dispensing Facility, previously under A/N 503183. The description of modified equipment is as follows:

SECTION D:

| Equipment | ID No. | Connected To | Source Type/ Monitoring Unit | Emissions | Conditions |
|--|--------|--------------|---------------------------------|-----------|-------------------------------|
| PROCESS 3: FUELING | | | | | |
| SYSTEM 2: ORGANIC LIQUID RECEIVING, STORAGE, AND DISTRIBUTION, ABOVEGROUND | | | | | |
| BULK LOADING/UN LOADING RACK, 1 POSITION TK TRUCK LOADING, GASOLINE, W/ 1 BOTTOM LOADING HOSE & 1 VAPOR RECOVEREY HOSE, BOTH W/ DRY COUPLER, 1 TOTAL A/N: 563690 | D151 | | | | C1.11, D330.1, J373.2, K67.17 |
| FUEL DISPENSING NOZZLE, GASOLINE, PHASE II VAPOR RECOVERY SYSTEM, HEALY MODEL 400 ORVR W/ PROCESSOR (G-70-187), 1 TOTAL A/N: 563690 | D152 | | | | C1.12, D330.1, J373.2, K67.17 |
| STORAGE TANK, ABOVEGROUND, STEEL INSTITUTE FIREGAURD, VR-301-E, W/ HUSKY 5885 PRESSURE/VACUUM RELIEF VALVE AND MORRISON BROTHER PHASE I ENHANCED VAPOR RECOVERY (EVR) SYSTEM (VR-402-B) A/N: 563690 | D153 | | | | D330.1, J373.2, K67.17 |

BACKGROUND:

This application was filed on 5/09/14 for revision of TV permit to incorporate modification of the above fuel storage and dispensing system under A/N 563690. The equipment modification is to comply with Rule 461(1)(B) requirements in which, among others, the (Phase I – tank) vapor recovery system (VRS) shall be having a minimum volumetric efficiency of 95%. The proposed VRS will provide 98% efficiency. The equipment modification will result in emissions and health risk decreases. There will not any relaxation in recordkeeping, reporting and permit condition requirements. This is a minor TV permit revision as defined by Rule 3000(b)(15).

RULES EVALUATION:

- Rule 212: No public notice is required. Please see attached evaluation of equipment modification A/N 563690 for details.
- Rule 401: The equipment is not expected to emit visible emissions.
- Rule 402: The equipment is not expected to emit odorous emissions.
- Rule 461: Please see attached evaluation of equipment modification A/N 563690 for details.
- Rule 462: This fueling system is a Class "B" facility as defined by this rule. This system is equipped with CARB certified vapor recovery system, which recovers at least 90% of the displaced vapors, having backpressure less than 18" of water column, bottom loading gasoline into tank trucks and operated and maintained with no vapor or liquid leaks so it is in compliance with the requirements of this rule.
- Rule 1170: Please see attached evaluation of equipment modification A/N 563690 for details.
- Reg. XIII: Please see attached evaluation of equipment modification A/N 563690 for details.
- RULE 1401: Please see attached evaluation of equipment modification A/N 563690 for details.

Regulation XX:

AA is a RECLAIM facility so it is subject to the requirements of this regulation. However, because the Fuel Storage and Dispensing Facility emits only non-RECLAIM pollutants so the modification of the Fuel Storage and Dispensing Facility is not subject to the requirements of this regulation.

Regulation XXX:

This facility (ID# 800196) is included in Phase One of the Title V universe. The proposed equipment modification, (A/N 563689) shall only take effect after approval and issuance of the required Title V permit revision as stipulated in this regulation.

Rule 3000 (b)(7):

The Title V permit revision caused by this equipment modification satisfies all the applicable conditions listed in this rule so, it constitutes a minor permit revision.

Rule 3002(a)(2):

This has been a TV facility and all of the applicable requirements for greenhouse gases have been incorporated. Modification of this equipment will not generate combustion greenhouse gases, nor does it generate these gases to the level that would trigger additional requirements. This modification complies with this section of the rule.

Rule 3003: This permit revision is a minor permit revision and is subject to EPA review. The proposed permit will be submitted to EPA for comments. The permit will be issued once the equipment meets all applicable requirements.

RECOMMENDATIONS

- Issue TV/RECLAIM permit for application 563689 to include the proposed changes.
- Issue P/C-P/O to application 563690 with the description and conditions as shown in the attached Draft permit.

ENGINEERING & COMPLIANCE...MEMORANDUM

| | | | | | |
|-----------|-----------------------|-----------------|--------|------|----------|
| TO | File | FROM | JRM | DATE | 06/15/14 |
| REFERENCE | American Airlines | PERMIT APPL.NO. | 563090 | | |
| SUBJECT | Engineer's Evaluation | | | | |

This application was filed as a modification to remove the existing Phase I vapor recovery system and replacing it with a Morrison Brothers Phase I EVR system. This alteration will not result in a net emission increase and therefore, the previous engineer's evaluation will be used and is presented in this file.

| | | |
|--|-------------------|-------------------|
| SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT APPLICATION PROCESSING AND CALCULATIONS | PAGES 11 | PAGE 1 |
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| | ENGINEER TT01 | CHECK BY |

EVALUATION REPORT FOR PERMIT TO OPERATE

APPLICANT'S NAME: AMERICAN AIRLINES, INC.

MAILING ADDRESS: P. O. BOX 92246
LOS ANGELES, CA 90009

EQUIPMENT LOCATION: 7000 WORLD WAY WEST
LOS ANGELES, CA 90045

EQUIPMENT DESCRIPTION:

Gasoline Bulk Loading/Unloading and Fuel Dispensing Facility, Consisting of:

- 1) 1 - GASOLINE ABOVEGROUND STORAGE TANK, 12,000 GALLON CAPACITY, FIXED ROOF, CYLINDRICAL, EQUIPPED WITH A PHASE I VAPOR RECOVERY SYSTEM (G-70-162-A) AND A PRESSURE/VACUUM RELIEF VALVE.
- 2) 1 - GASOLINE NOZZLE DISPENSING 1 PRODUCT, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALYMODEL 400 ORVR WITH PROCESSOR (G-70-187).
- 3) ONE POSITION TANK TRUCK GASOLINE LOADING RACK SYSTEM CONSISTING OF:
 - A) ONE GASOLINE LOADING ARMS/HOSE WITH A QUICK CONNECT COUPLER FOR BOTTOM LOADING.
 - B) ONE GASOLINE VAPOR RECOVERY HOSE WITH A QUICK CONNECT COUPLER.

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HISTORY:

This application was submitted on October 22, 2009 for a permit to construct/operate an above ground gasoline hybrid fuel storage, dispensing and bulk loading facility which can dispense fuel to motor vehicle and load fuel to tank trucks. The facility's proposed normal operating schedule is as follows: 24 hours/day, 7 days/week, and 52 weeks/year.

PROCESS DESCRIPTION:

This facility bulk loads gasoline to tank trucks and dispenses gasoline to its fleet motor vehicle. This facility currently has one 15,000-gallon underground tank. But due to the major modification/expansion project at Los Angeles World Airports, this underground tank will have to be removed once the above ground tank is installed and operated at a short distance away. This tank stores gasoline and is subject to Rules 461, 462, and 463.

The gasoline storage and dispensing facility is used for storing organic products and dispensing these products into motor vehicle fuel storage tanks as well as loading into tank trucks (bulk loading). The facility receives its products via tank trucks (bulk unloading).

EMISSION CALCULATIONS:

The hydrocarbon and benzene emissions from storage tank filling and transfer operations are estimated by using appropriate emission factors summarized in the following table. These emission factors were developed by the District's Planning Division.

I. Emission Factors and Control Efficiencies for Gasoline Dispensing (Rule 461)

The following table summarizes the uncontrolled ROG emission factors in pounds per 1,000 gallons of gasoline throughput, benzene content of gasoline, and control efficiencies:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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TT01

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Emission Factors and Control Efficiencies for Aboveground Tanks

| Process Type | Uncon. ROG (lbs/1000 gal) | Benzene Content | Control Efficiency |
|--------------|------------------------------|-----------------|--------------------|
| Loading | 8.400 | 0.3 wt%, Vapor | 95% |
| Breathing | 0.212 | 0.3 wt%, Vapor | 75% |
| Refueling* | 3.948 | 0.3 wt%, Vapor | 96% |
| Spillage | 0.420 | 1.0 wt%, Liquid | 0% |

*Assumes a more realistic 96% control efficiency for Phase II recovery system.

II. Calculations

The following equations are used for calculating ROG and Benzene emissions from gasoline. The emission factors have been modified from the CAPCOA ones to fit District specific assumptions:

Net Increased Throughput = Proposed throughput – Total permitted throughput prior to the modification or average throughput for the last two years

ROG, uncontrolled = EF (lbs – ROG/1,000 gals gas) x (Proposed gas throughput (1,000 gals/month))

ROG, controlled = ROG, uncontrolled x Control Efficiency

Benzene, uncontrolled = ROG, uncontrolled x Benzene Content in gasoline

Benzene, controlled = ROG, controlled x Benzene Content in gasoline

Total Emission Increase

| | |
|---|--------|
| Proposed Gasoline Throughput (Rule 461), (gals/month) | 33,567 |
| Average Gasoline Throughput (Rule 461), (gals/month) | 33,567 |
| Net Gasoline Throughput (Rule 461), (gals/month) | 33,567 |
| Proposed Gasoline Throughput (Rule 462), (gals/month) | 29,766 |
| Average Gasoline Throughput (Rule 462), (gals/month) | 29,766 |
| Net Gasoline Throughput (Rule 462), (gals/month) | 29,766 |

The total emissions are as follows:

| | | |
|--|-------------------|-------------------|
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For Storage and Dispensing of Gasoline (Rule 461)

| Process Type | ROG, R1 (lbs/month) | ROG, R2 (lbs/month) | Benzene, R1 (lbs/month) | Benzene, R2 (lbs/month) |
|------------------|------------------------|------------------------|----------------------------|----------------------------|
| Loading | 281.96 | 14.10 | 0.85 | 0.04 |
| Breathing | 7.12 | 1.78 | 0.02 | 0.01 |
| Refueling | 132.52 | 5.30 | 0.40 | 0.02 |
| Spillage | 14.10 | 14.10 | 0.14 | 0.14 |
| Total ROG | 435.70 | 35.28 | 1.41 | 0.21 |

For Bulk Loading of Gasoline (Rule 462)

(Emission factor 5 lb/1000 gal, for Class C facility, SCAQMD form B8)

| Process Type | ROG, R1 (lbs/month) | ROG, R2 (lbs/month) | Benzene, R1 (lbs/month) | Benzene, R2 (lbs/month) |
|------------------|------------------------|------------------------|----------------------------|----------------------------|
| Total ROG | 148.85 | 7.44 | 0.45 | 0.02 |

III. Summary of Emissions

| | Total ROG | | Total Benzene | |
|--------------------------|-----------|-------|---------------|------|
| | R1 | R2 | R1 | R2 |
| Monthly (lbs/month) | 584.55 | 42.72 | 1.86 | 0.23 |
| 30-Day Average (lbs/day) | 19.49 | 1.42 | 0.06 | 0.01 |
| Hourly (lbs/hr) | 0.81 | 0.06 | 0.00 | 0.00 |

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CANCER RISK ASSESSMENT:

From gasoline storage and dispensing operations, benzene is the only toxic emittant that has significant effect to the maximum individual cancer risk (MICR). Using the CAPCOA provided risk values, the staff in the District's Planning Division prepared reference MICR's for different scenarios, i.e., for underground and aboveground tanks, and for residence and workers. These MICR's are tabulated for different downwind distances from a permit unit that is located in West Los Angeles with an annual gasoline throughput of one million gallons.

Once a reference MICR is determined for a given downwind distance, it has to be adjusted by using the MET factor to reflect the meteorological conditions of a permit unit's location and the actual fuel throughput of a permit unit.

The following is the parameters used for calculating the MICR for this application. The distances are from the center of emission source to the nearest receptor areas:

| | |
|---|-------------|
| Tank Type | Aboveground |
| Gasoline Throughput (mm gal – gal/yr) | 0.7600 |
| Facility Zone | 3 |
| MET Factor | 0.69 |
| Downwind Distance to Residence (meters) | 304 |
| Downwind Distance to Workers (meters) | 24 |

A reference MICR is determined for a given downwind distance in the following manner:

1. If the downwind distance is less than or equal to minimum pre-defined distance, use the MICR at the minimum distance.
2. If the downwind distance is greater than or equal to maximum pre-defined distance, use the MICR at the maximum distance.
3. Find MICRs two distances, i.e., one for nearest higher distance and the other one for nearest lower distance, and interpolate them.

$$\text{MICR, ref} = \text{MICR, low} + [(\text{MICR, high} - \text{MICR, low}) / (\text{High Distance} - \text{Low Distance})] \\ * (\text{Downwind Distance} - \text{Low Distance})$$

where,

| | |
|--------------|---|
| MICR, ref | Reference MICR at a given downwind distance |
| MICR, low | MICR at a lower interpolate distance |
| MICR, high | MICR at a higher interpolate distance |
| Low Distance | Lower interpolate distance |

| | | |
|--|-------------------|-------------------|
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High Distance Higher interpolate distance
 Downwind Distance Given downwind distance

MICR (Aboveground Tanks)

MICR for Residences

Reference MICR [in-a-million/(1 mmgal – gal/year)]
= 0.087

Adjusted MICR (in-a-million)
 (Reference MICR) x (MET factor) x (Annual Fuel Throughput)
 = (0.087) x (0.69) x (0.7600)
 = 0.046

MICR for Workers

Reference MICR [in-a-million/(1 mmgal – gal/year)]
= 1.212

Adjusted MICR (in-a-million)
 (Reference MICR) x (MET factor) x (Annual Fuel Throughput)
 = (1.212) x (0.69) x (0.7600)
 = 0.636

Calculation for Non-Cancer Health Effects:

The chronic and acute non-cancer health effects for benzene, xylene, and toluene are not being calculated. This is based on the CAPCOA Gasoline Service Station Industrywide Risk Assessment Guidelines, Appendix I, finding that the benzene cancer risk of ten in-a-million will be exceeded far sooner than the Hazard Index for benzene, xylene, or toluene.

Modeling Assumptions:

The modeling assumes the generic station operates 24 hours/day, with 80% of the emissions occurring between 6:00 AM and 8:00 PM, and the remaining 20% of the emissions occurring between 8:00 PM and 6:00 AM. In addition, the refueling and spillage emissions were modeled as volume sources and the loading and breathing emissions as point sources (Sample ISCST3 model input files for the generic retail station are documented in AQMD Industrywide Guidelines).

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Risk Calculations:

The revised risk calculation for 1,000,000 gallons a year throughput for the different distances (20, 25, 30,...1000 meters) are based on the benzene inhalation cancer potency factor of 0.1/(mg/kg-day).

RULES EVALUATION:

Rule 212: There is no school located within 1,000-feet from this facility. The maximum individual cancer risk is less than ten-in-one million. Public notice is exempt.

Rule 461: All gasoline tanks are equipped with CARB Phase I vapor controls, which includes a pressure/vacuum relief valve. This facility is not required to install Phase I EVR vapor controls since the gasoline tanks are aboveground. The nozzles serving the gasoline tanks are equipped with Phase II vapor controls. Therefore, this facility complies with Rule 461.

Rule 462: This is a class "B" fueling facility. Equipment is expected to comply with the requirements for this type of facility.

Rule 463: The gasoline tanks are fixed roof tanks and are equipped with a Phase I vapor recovery system. The equipment will be tested on an annual basis and is expected to comply with the requirements of this rule.

Rule 1170: The facility does have a underground storage tank and the tank is methanol compatible. Therefore, it is exempt from the provisions of this rule.

REG XIII: The emissions associated with this operation have been calculated to be 1.42 pounds per day. The facility needs to provide 2 lb VOC ERC to offset this emission increase. On 1/26/2010, engineer D. Hauck acknowledged that he has received ERC-title-transfer application(s) from the applicant to offset the emission increase.

BACT requirements have been met with compliance with Rule 461, Rule 462, and Rule 463. No modelling was required for ROG's.

Rule 1401: The facility's MICR to the most sensitive area is 0.6356 in-a-million. Furthermore, the gasoline storage tank and dispensing equipment are equipped with Phase I and Phase II vapor controls, respectively. These controls are considered to be T-BACT. Therefore, this facility complies with Rule 1401.

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REG XX:

RULE 2012: The proposed modified equipment is not a NOx or SOx emission source so no change in monitoring, reporting, and recording pursuant to Regulation XX requirements.

REG XXX:

This facility (ID# 800196) is included in Phase One of the Title V universe. The renewal Title V permit identified as A/N 463584 was issued in 2007. Therefore, the proposed equipment installation, (A/Ns 503183) shall only take effect after approval and issuance of the required Title V permit revision as stipulated in this regulation.

Rule 3000 (b)(6): The Title V expected permit revision caused by this equipment installation satisfies all the applicable conditions listed in this rule so, it constitutes a de minimis significant permit revision.

Rule 3003: The anticipated de minimis significant permit revision is expected to comply with all the applicable requirements in this rule, of special note are the sections listed below.

Section (i)(4): A permit revision may be issued after the permit revision application meets all the conditions in this rule.

Section (j)(1)(A): The EPA Administrator will timely receive the de minimis significant permit revision application whenever it becomes available to the Executive Officer.

Section (j)(1)(C): The EPA Administrator will timely receive the draft of the de minimis significant permit revision upon completion of District evaluation.

Section (j)(1)(D): The EPA Administrator will timely receive the final Title V permit upon issuance by the District.

Section (j)(4): The applicant and the EPA will be timely notified of any refusal to accept all recommendations for the draft permit.

Rule 3005 (e): Whenever applicable, the procedures for de minimis significant permit revision stated in this rule will be addressed in a proper and timely manner.

CONCLUSIONS & RECOMMENDATIONS:

This application is expected to comply with all applicable District Rules and Regulations. A Permit to Construct/Operate is recommended subject to the following conditions:

| | | |
|--|-------------------|-------------------|
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| | ENGINEER TT01 | CHECK BY |

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
5. 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.
6. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND ABOVEGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

| NITROGEN FLOWRATES (CFH) | DYNAMIC BACK PRESSURE (INCHES OF WATER) |
|-----------------------------|--|
| 60 | 0.35 |
| 80 | 0.62 |

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 TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

7. 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, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

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8. 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 IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

9. A VAPOR RETURN LINE VACUUM INTEGRITY TEST SHALL BE CONDUCTED TO VERIFY THE VAPOR TIGHTNESS OF THE HEALY SYSTEM. THE TEST SHALL BE CONDUCTED AS OUTLINED IN EXHIBIT 4 OF CARB EXECUTIVE ORDER G-70-187 AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

10. A FILLNECK VAPOR PRESSURE REGULATION FUELING TEST SHALL BE CONDUCTED TO VERIFY PROPER OPERATION OF THE NOZZLE BOOT PRESSURE REGULATION WHICH IS UNIQUE TO THE HEALY MODEL 400 ORVR NOZZLE. THE TEST SHALL BE CONDUCTED AS OUTLINED IN EXHIBIT 5 OF CARB EXECUTIVE ORDER G-70-187 AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

11. 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 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.

12. 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.

13. THE BULK LOADING/UNLOADING EQUIPMENT SHALL BE OPERATED FOR BOTTOM LOADING ONLY DURING THE TRANSFER OF GASOLINE FUEL FROM THE ABOVEGROUND STORAGE TANK INTO ANY TANK TRUCK. ALL VAPOR RETURN LINES SHALL BE CONNECTED BETWEEN THE ABOVEGROUND STORAGE TANK AND TANK TRUCK.

14. THE BULK LOADING/UNLOADING EQUIPMENT SHALL NOT BE USED FOR LOADING MORE THAN 29,766 GALLONS PER DAY OF ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 1.5 PSIA OR GREATER UNDER ACTUAL LOADING CONDITIONS.

15. THIS CLASS "B" LOADING FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH DISTRICT RULE 462.

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16. THE BULK PLANT VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) AS REQUIRED IN RULE 462. THE COPY OF THE CARB BULK PLANT VAPOR RECOVERY CERTIFICATION TEST RESULTS SHALL BE RETAINED ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

17. THIS EQUIPMENT SHALL NOT DISPENSE MORE THAN 33,567 GALLONS PER MONTH OF GASOLINE INTO MOTOR VEHICLE.

18. THIS EQUIPMENT SHALL NOT DISPENSE MORE THAN 29,766 GALLONS PER MONTH OF GASOLINE INTO TANK TRUCKS.

19. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461 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.

20. RECORDS OF MONTHLY GASOLINE FUEL DISPENSED TO TANK TRUCKS AND THAT TO MOTOR VEHICLE SHALL BE PREPARED AND MAINTAINED FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.