



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Title Page	
Facility ID	800369
Revision #	1
Date:	April 30, 2010



FACILITY PERMIT TO OPERATE

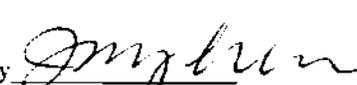
**EQUILON ENTER.LLC, SHELL OIL PROD. U S
8100 HASKELL AVE
VAN NUYS, CA 91406**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By 
for Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



FACILITY PERMIT TO OPERATE EQUILON ENTER.LLC , SHELL OIL PROD. U S

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**FACILITY PERMIT TO OPERATE
EQUILON ENTER.LLC , SHELL OIL PROD. U S**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: EQUILON ENTER.LLC , SHELL OIL PROD. U S

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 8100 HASKELL AVE
VAN NUYS, CA 91406-1320

MAILING ADDRESS: 20945 S WILMINGTON AVE
CARSON, CA 90810

RESPONSIBLE OFFICIAL: CLORINDA NOTHSTEIN

TITLE: WESTERN REGION MANAGER

TELEPHONE NUMBER: (310) 816-2009

CONTACT PERSON: NOEL KURAI

TITLE: ENVIRONMENTAL COORDINATOR

TELEPHONE NUMBER: (310) 816-2069

INITIAL TITLE V PERMIT ISSUED: April 20, 2009

TITLE V PERMIT EXPIRATION DATE: April 19, 2014

TITLE V	RECLAIM
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YES	NOx:	NO
	SOx:	NO
	CYCLE:	0
	ZONE:	COASTAL



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

**Facility Description and Equipment Specific Conditions
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO OPERATE AT THIS FACILITY:

Application Number	Permit to Operate Number	Equipment Description	Page Number
345917	F19337	ADDITIVE STORAGE TANK	4
345920	R-F19338	WASTE WATER TREATING	5
345934	F16794	STORAGE TANK NO. 200	7
370820	F32811	STORAGE TANK NO. 170	8
376719	F36483	STORAGE TANK NO. 250	10
386802	F41647	ACTIVATED CARBON ADSORBER	11
393491	G8246	BULK LOADING/UNLOADING RACK NO. 1	13
393492	G8247	BULK LOADING/UNLOADING RACK NO. 2	15
497870	G7401	STORAGE TANK NO. VN-60	17

NOTE: ANY APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]
2. THE OPERATOR SHALL COMPLY WITH THE APPLICABLE RECORDKEEPING, REPORTING, AND REQUIREMENTS OF 40 CFR 63 SUBPART R (MINOR SOURCE).
[40 CFR 63 SUBPART A, 40 CFR 63 SUBPART R]
3. THIS FACILITY IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1173
HAP/TOC: 40 CFR 63 SUBPART BBBB



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. F19337
A/N 345917**

Equipment Description:

ADDITIVE STORAGE TANK, 8'-0" DIA. X 21'-4" L., 8000 GALLON CAPACITY, HORIZONTAL TYPE

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING A VAPOR PRESSURE OF 0.5 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[1303(b)(2)-OFFSETS]
4. THROUGHPUT RECORDS SHALL BE MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSETS]

Periodic Monitoring: NONE

Emissions and Requirements: NONE



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. R-F19338
A/N 345920**

Equipment Description:

WASTEWATER HANDLING SYSTEM CONSISTING OF:

1. WASTEWATER HOLDING TANK (AG1), 12'-0" DIA. X 24'-0" H., 20,000 GAL., FIXED ROOF, VENTED TO VAPOR RECOVERY.
2. WASTEWATER HOLDING TANK (AG2), 12'-0" DIA. X 24'-0" H., 20,000 GAL., FIXED ROOF, VENTED TO VAPOR RECOVER.
3. LIFT STATION (LS-4), STEEL SUMP UNDERGROUND, COVERED LID, 1,000 GAL., CAPACITY, WITH TWO 3-HP SUBMERGED PUMPS.
4. LIFT STATION (LS-3), FIBERGLASS SUMP, DOUBLE WALL UNDERGROUND, COVERED LID, 1,000 GAL. CAPACITY, WITH SPILL CONTROL SUBMERSIBLE PUMP (P-3), CENTRIFUGAL, 7-1/2 HP, AND CONTACT WATER VANE PUMP (P-4), 2 HP, SERVING LOADING RACK STRIP DRAINS.
5. TWO LIFT STATIONS (LS-1/2), FIBERGLASS DOUBLE WALL UNDERGROUND TANKS, 120 GAL. CAPACITY EACH, WITH TWO LIFT STATION SUBMERSIBLE PUMPS (P-1 & P-2), EACH 1/3 HP, SERVING TRUCK RACK VAPOR CONDENSATE DRAIN SYSTEM.
6. CPI OIL/WATER SEPARATOR, 1,600 GAL. CAPACITY, 3'-5" W. X 9'-0" L. X 12'-0" H., HINGED STEEL COVERS.
7. API OIL/WATER SEPARATOR, 1,000 GAL. CAPACITY, 6'-5" W. X 6'-0" L. X 6'-0" H., HINGED STEEL COVERS.
8. WATER TANK, UNDERGROUND STEEL, COVERED LID, 8'-0" DIA. X 22'-0" L., 8,000 GAL. CAPACITY.
9. WATER TRANSFER PUMP, CENTRIFUGAL, SINGLE MECHANICAL SEAL, 1-1/2 HP.
10. SLOP TANK, DOUBLE WALL UNDERGROUND TANK, COVERED LID, 5'-0" DIA. X 20'-0" L., 4,000 GAL. CAPACITY.
11. SLOP PUMP, CENTRIFUGAL, SINGLE MECHANICAL SEAL, 5 HP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

[RULE 204]

3. THIS EQUIPMENT/PROCESS SYSTEM SHALL NOT BE USED TO RECEIVE EFFLUENT WATER CONTAINING MORE THAN 200 GALLONS A DAY OF ANY PETROLEUM PRODUCT OR MIXTURE OF PETROLEUM PRODUCTS.

[1303(b)(2)-OFFSETS]

Periodic Monitoring: NONE

Emissions and Requirements: NONE



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. F16794
A/N 345934**

Equipment Description:

TANK NO. 200, CAPACITY 20,000 BARRELS, 65'-0" DIA. X 36'-0" HIGH, WITH INTERNAL FLOATING ROOF

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM DISTILLATE HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 1303(b)(2)-OFFSETS]

Periodic Monitoring: NONE

Emissions and Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. F32811
A/N 370820**

Equipment Description:

STORAGE TANK NO. 170, GASOLINE, 60'-0" DIA. X 36'-0" H., 714,000 GAL CAPACITY, INTERNAL FLOATING ROOF WITH MECHANICAL SHOE PRIMARY SEAL AND WIPER-TYPE SECONDARY SEAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 10,933,002 GALLONS OF GASOLINE IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSETS]
4. THE THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 133,018,200 GALLONS OF GASOLINE IN ANY ONE CALENDAR YEAR.
[RULE 1401]
5. THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE 11 PSI OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 1303(b)(2)-OFFSETS]
6. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE DOES NOT EXCEED 30 PERCENT OF THE LEL.
[RULE 463, 1178]
7. THE OPERATOR SHALL PERIODICALLY MONITOR THE HYDROCARBON CONCENTRATION ON THE VAPOR SPACE, BY USING AN EXPLOSIMETER OR EQUIVALENT DEVICE.
[RULE 463, 1178]
8. THE OPERATOR SHALL MAINTAIN OPERATING RECORDS TO SHOW COMPLIANCE WITH CONDITIONS NOS. 3, 4, AND 6. SUCH RECORDS SHALL BE MAINTAINED FOR AT LEAST 5 YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463, 40 CFR 60 SUBPART Kb]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
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Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178
VOC: 40 CFR 60 SUBPART Kb



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. F36483
A/N 376719**

Equipment Description:

STORAGE TANK NO. 250, 72'-0" DIA. X 36'-0" H., 25,000 BARREL CAPACITY, INTERNAL FLOATING ROOF, PAN TYPE, WITH PRIMARY AND SECONDARY SINGLE WIPER SEALS, CATEGORY B.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL NOT USE THIS TANK FOR STORING PETROLEUM PRODUCTS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER AT NORMAL OPERATING CONDITION.
[RULE 463, 1303(b)(2)-OFFSETS]

Periodic Monitoring: NONE

Emissions and Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. F41647
A/N 386802**

Equipment Description:

VAPOR RECOVERY SYSTEM, JOHN ZINK, MODEL NO. AA609-4-1313, CAPACITY 100 CFM, CONSISTING OF:

1. TWO CARBON ADSORBERS, EACH 4'-0" DIA. X 13'-0" H.
2. ADSORBER, 2'-6" DIA. X 12'-0" H.
3. SEPARATOR, 4'-0" DIA. X 10'-0" L.
4. VACUUM PUMP, WITH 60 HP MOTOR
5. VACUUM BOOSTER, WITH A 60 HP MOTOR
6. GASOLINE SUPPLY PUMP, CENTRIFUGAL WITH 7-1/2 HP MOTOR
7. GASOLINE RETURN PUMP, CENTRIFUGAL WITH 7-1/2 HP MOTOR
8. SEAL FLUID CIRCULATION PUMP, CENTRIFUGAL WITH 2 HP MOTOR
9. SEAL FLUID EXCHANGER
10. BLOWER, CENTRIFUGAL WITH 3 HP MOTOR
11. VAPOR HOLDER, 30,000 CUBIC FEET CAPACITY, 38'-0" DIA. X 24'-0" H., SERVING TWO BULK GASOLINE LOADING RACKS AND TWO WASTEWATER STORAGE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NON-METHANE HYDROCARBON (NMHC) EMISSION LEVEL AT THE DISCHARGE OF THE CARBON ADSORBERS SHALL NOT EXCEED AN AVERAGE OF 0.08 LB NMHC PER 1000 GALLONS OF GASOLINE LOADED EVERY CYCLE (20 MIN).
[RULE 462]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

4. THE TOTAL FLOW RATE OF INLET HYDROCARBON VAPORS INTO THE CARBON ADSORBERS SHALL NOT EXCEED 100 CFM.
[1303(b)(2)-OFFSETS]
5. THE CONTINUOUS HYDROCARBON MONITORING SYSTEM INSTALLED FOR THIS AIR POLLUTION CONTROL (APC) SYSTEM SHALL BE PROPERLY MAINTAINED, CALIBRATED AND IN FULL USE WHEN THIS APC SYSTEM IS IN OPERATION.
[RULE 462]
6. THE OPERATOR SHALL MAINTAIN A TABLE TO CONVERT THE HYDROCARBON MONITORING SYSTEM READINGS IN PERCENT (%) OR VOLUME (PPMV) CONCENTRATION TO POUND NMHC PER 1000 GALLONS GASOLINE LOADED/THROUGHPUT IN THE EQUIPMENT SERVED BY THIS APPLICATION.
[RULE 462]
7. THE HYDROCARBON MONITORING SYSTEM PROVIDED FOR THIS EQUIPMENT:
 - A. SHALL ALERT THE OPERATOR BOTH AUDIBLY AND VISUALLY TO PREVENT NMHC BREAKTHROUGH. THE ALARM SHALL BE SET TO ACTIVATE AT A NMHC EMISSION RATE OF 0.07 LB NMHC PER 1000 GALLONS GASOLINE LOADED/PUMPED AND
 - B. SHALL SHUT OFF THE BLOWER WHEN THE NMHC EMISSION RATE EXCEED 0.08 LB PER 1000 GALLONS GASOLINE LOADED/PUMPED.
[RULE 462]

Periodic Monitoring: NONE

Emissions and Requirements:

8. VOC: 0.08 LBS/1000 GAL, RULE 462
TOC/VOC: 35 MG/L, 40 CFR 60 SUBPART XX



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. G8246
A/N 393491**

Equipment Description:

GASOLINE BULK LOADING RACK NO. 1 CONSISTING OF:

1. SIX BOTTOM LOADING ASSEMBLIES WITH DRY-BREAK CONNECTION.
2. SIX PRODUCT METERS.
3. TWO VAPOR RECOVERY ARMS.
4. FOUR LOADING PUMPS (TWO STANDBY), 40-HP EACH.
5. TWO LOADING PUMPS (ONE STANDBY), 75-HP EACH.
6. ONE ETHANOL METERING SKID CONSISTING OF SIX (6) 1.5" TURBINE METERS, AND SIX (6) 2" CONTROL VALVES AND STRAINERS.
7. TWO ETHANOL LOADING PUMPS, CENTRIFUGAL, 30-HP, EACH WITH DOUBLE MECHANICAL SEALS, COMMON TO LOADING RACK NO. 2.
8. TWO ETHANOL UNLOADING PUMPS, CENTRIFUGAL, 25 HP, EACH WITH DOUBLE MECHANICAL SEALS, COMMON TO LOADING RACK NO. 2.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE, (GASOLINE AS DEFINED IN SCAQMD RULE 462) TO NO MORE THAN 1,138,000 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR LOADING RACKS NOS. 1 AND 2.
[RULE 1303(b)(2) – OFFSETS]



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. U.S.

4. THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH ALL THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT. ALL VALVES SHALL BE BELLOW-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21

ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION, A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.

THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPMV ABOVE BACKGROUND.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) - BACT, 1173]

5. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO CARBON ADSORBER, WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 462, 1303(a)(1) - BACT, 1303(b)(2) - OFFSETS, 40CFR60 SUBPART XX]
6. IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED FOR FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 462]

Periodic Monitoring: NONE

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

TOC/VOC: 35 MG/L, 40 CFR 60 SUBPART XX
VOC: 0.08 LBS/1000 GAL, RULE 462



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. G8247
A/N 393492**

Equipment Description:

GASOLINE BULK LOADING RACK NO. 2 CONSISTING OF:

1. SIX BOTTOM LOADING ASSEMBLIES WITH DRY-BREAK CONNECTION.
2. SIX PRODUCT METERS.
3. TWO VAPOR RECOVERY ARMS.
4. FOUR LOADING PUMPS (TWO STANDBY), 40-HP EACH.
5. TWO LOADING PUMPS (ONE STANDBY), 75-HP EACH.
6. ONE ETHANOL METERING SKID CONSISTING OF SIX (6) 1.5" TURBINE METERS, AND SIX (6) 2" CONTROL VALVES AND STRAINERS.
7. TWO ETHANOL LOADING PUMPS, CENTRIFUGAL, 30 HP, EACH WITH DOUBLE MECHANICAL SEALS, COMMON TO LOADING RACK NO. 1.
8. TWO ETHANOL UNLOADING PUMPS, CENTRIFUGAL, 25 HP, EACH WITH DOUBLE MECHANICAL SEALS, COMMON TO LOADING RACK NO. 1.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE, (GASOLINE AS DEFINED IN SCAQMD RULE 462) TO NO MORE THAN 1,138,000 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR LOADING RACKS NOS. 1 AND 2.
[RULE 1303(b)(2) - OFFSETS]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

4. THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH ALL THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT. ALL VALVES SHALL BE BELLOWS-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21

ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION, A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.

THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPMV ABOVE BACKGROUND.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) - BACT, 1173]

5. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO CARBON ADSORBER, WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 462, 1303(a)(1) - BACT, 1303(b)(2) - OFFSETS, 40CFR60 SUBPART XX]
6. IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED FOR FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 462]

Periodic Monitoring: NONE

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

TOC/VOC: 35 MG/L, 40 CFR 60 SUBPART XX
VOC: 0.08 LBS/1000 GAL, RULE 462



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

PERMIT TO OPERATE

**Permit No. G7401
Application No. 497870**

Equipment Description:

STORAGE TANK VN-60, INTERNAL FLOATING ROOF TANK, CAPACITY 6000 BARRELS, 35'-0" DIA X 40'-0" H, DOUBLE DECK, MECHANICAL SHOE PRIMARY SEAL, RIM MOUNTED SECONDARY SEAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS TANK SHALL ONLY BE USED TO STORE DENATURED ETHANOL.
[RULE 1303(b)(2) – OFFSETS]
4. THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM THIS TANK TO NO MORE THAN 100,000 BARRELS IN ANY ONE MONTH. A FLOW MEASURING DEVICE, LOCATED AT LOADING RACKS NO.1 AND 2 SHALL RECORD THE THROUGHPUT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1303(b)(2) – OFFSETS, 1401]
5. THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF SHALL NOT EXCEED 30% OF THE VAPOR LOWER EXPLOSIVE LIMIT.
[RULE 463, 1178]
6. THE OPERATOR SHALL MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE USING AN EXPLOSIMETER OR EQUIVALENT DEVICE ONCE EVERY SIX MONTHS.
[RULE 463, 1178]
7. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

Emissions and Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178
VOC: 40 CFR 60 SUBPART Kb



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Conditions:

1. 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 OF ALL COATINGS 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 COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 109, 1113]

Periodic Monitoring: NONE

Emissions and Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Periodic Monitoring: NONE

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT < 2 MMBTU/HR.

Periodic Monitoring: NONE

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 gr/scf, RULE 409
NOx: 30 PPMV, RULE 1146.2
CO: 400 PPMV, RULE 1146.2
CO: 2000 PPMV, RULE 407



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

Periodic Monitoring: NONE

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT: RULE 1415
REFRIGERANT: 40 CFR 82 SUBPART F



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, VALVES, FITTINGS, PRESSURE RELIEF DEVICES, DIAPHRAGMS, HATCHES, SIGHT-GLASSES, AND METERS, FUGITIVE EMISSIONS.

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1173



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. U.S.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT³, WITH DUST FILTER.

Periodic Monitoring:

1. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]

2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.
[RULE 3004 (a)(4)]

3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
 - A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]

Emissions and Requirements:



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, PORTABLE, > 66% VOLUME WATER.

Periodic Monitoring:

1. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
 - A. 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;
 - B. 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
 - C. 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:

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

Emissions and Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U.S.**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1122

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U S**

**Permit to Construct and Temporary Permit to Operate
(Section H)**

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U S**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AT THIS FACILITY:

Application Number	Equipment Description	Page Number
405614	ACTIVATED CARBON ADSORBER	3

NOTE: EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT WILL NOT BE FOUND IN THIS TITLE V PERMIT.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U S**

PERMIT TO CONSTRUCT

A/N 405614
Granted 3/11/2008

Equipment Description:

VAPOR RECOVERY SYSTEM, JOHN ZINK, MODEL NO. AA609-4-1313, CAPACITY 180 CFM, OPERATING AS A HIGH EFFICIENCY ADSORPTION/ABSORPTION (HEAA) SYSTEM, CONSISTING OF THE FOLLOWING:

1. TWO CARBON ADSORBERS, EACH 5'-0" DIA. X 13'-0" H.
2. GASOLINE ABSORBER TOWER, 2'-6" DIA. X 12'-0" H.
3. SEAL FLUID SEPARATOR, 4'-0" DIA. X 10'-0" L.
4. VACUUM PUMP, WITH A 75 HP MOTOR, WITH A BACKUP
5. VACUUM BOOSTER, WITH A 50 HP MOTOR
6. GASOLINE SUPPLY PUMP, CENTRIFUGAL, WITH 5.0 HP MOTOR
7. GASOLINE RETURN PUMP, CENTRIFUGAL, WITH 5.0 HP MOTOR
8. SEAL FLUID CIRCULATION PUMP, CENTRIFUGAL, WITH A 2 HP MOTOR
9. SEAL FLUID HEAT EXCHANGER
10. BLOWER, CENTRIFUGAL, WITH A 5 HP MOTOR, WITH A BACKUP
11. VAPOR HOLDER, 30,000 CUBIC FEET CAPACITY, 38'-0" DIA. X 24'-0" H., SERVING TWO GASOLINE LOADING RACKS AND TWO WASTEWATER STORAGE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE TOTAL FLOW RATE OF INLET HYDROCARBON VAPORS INTO THE CARBON ADSORBERS SHALL NOT EXCEED 180 CFM. THE TOTAL VOLUME OF VAPORS VENTING TO THE CARBON ADSORBERS SHALL NOT EXCEED 152,588 CUBIC FEET PER DAY
[RULE 1303(b)(2)-OFFSETS]

**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U S**

4. THE VOC EMISSIONS FROM THIS LOADING FACILITY SHALL NOT EXCEED 0.08 LBS PER 1000 GALLONS OF GASOLINE LOADED.
[RULE 462]
5. THE FACILITY SHALL INSTALL AND MAINTAIN A CONTINUOUS MONITORING SYSTEM (CMS) IN COMPLIANCE WITH A DISTRICT APPROVED RULE 462 COMPLIANCE PLAN.
[RULE 462]
6. A CONTINUOUS HYDROCARBON MONITORING SYSTEM SHALL BE IN FULL USE AT ALL TIMES AND SHALL ALERT THE OPERATOR BOTH AUDIBLY AND VISUALLY TO STOP VENTING TO THE AIR POLLUTION CONTROL SYSTEM WHEN THE HYDROCARBON CONCENTRATION IN THE AIR POLLUTION CONTROL EXHAUST IS IN EXCESS OF PERMITTED LIMIT(S).
[RULE 462]
7. THE NONMETHANE HYDROCARBON (NMHC) CONCENTRATION AT THE EXHAUST OF THE AIR POLLUTION CONTROL SYSTEM SHALL NOT EXCEED 1.9%, MEASURED AS PROPANE ON AN INSTANTANEOUS BASIS, OR 0.66%, MEASURED AS PROPANE BASED ON A ROLLING 15 MINUTE AVERAGE. UPON MEASUREMENT OF THE NMHC CONCENTRATION EXCEEDING ANY ONE OF THESE LIMITS, VENTING OF VAPORS TO THE CARBON ADSORBERS SHALL CEASE FOR AT LEAST A PERIOD EQUAL TO ONE COMPLETE CLEANING CYCLE OF BOTH CARBON ADSORBERS (30 MINUTES ON A 15 MINUTE CYCLE TIME).

VENTING TO THE CARBON ADSORBERS SHALL NOT RESUME UNTIL THE NMHC CONCENTRATION AT THE EXHAUST IS BELOW BOTH LIMITS.
[RULE 462]
8. FOR EQUIPMENT COVERED UNDER THIS PERMIT, ALL FUGITIVE COMPONENTS IN VOC SERVICE EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL VALVES AND FLANGES IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.

FOR ALL FUGITIVE COMPONENTS IN VOC SERVICE COVERED UNDER THIS PERMIT, ANY LEAK GREATER THAN 500 PPM, MEASURED AS METHANE ABOVE BACKGROUND USING EPA METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER.

FOR EQUIPMENT COVERED UNDER THIS PERMIT, IF 98.0 PERCENT OR GREATER OF THE NON-BELLOWS-SEALED VALVES AND FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPM FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR SHALL REVERT TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.

THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTIONS (AND QUARTERLY, WHERE APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT.

[RULE 1173, 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. U S**

9. THROUGHPUT RECORDS AND CMS DATA INCLUDING, BUT NOT LIMITED TO, CALIBRATION LOG, TROUBLESHOOTING LOG, ETC. SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST BY AQMD PERSONNEL.
[RULE 462]

10. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF DISTRICT RULE 462 AND TO GAIN CARB CERTIFICATION.

A TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSION RATE IN POUNDS PER 1000 GALLONS LOADED.

THE TEST SHALL BE CONDUCTED TO DETERMINE THE BULK LOADING RATE IN GALLONS PER HOUR DURING THE SOURCE TEST.

THE TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER STARTUP OF THE HEAA SYSTEM.

THE DISTRICT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST.

SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 60 DAYS AFTER THE SOURCE TEST IS CONDUCTED.

[RULE 462]

11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 90 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS FROM THE VAPOR RECOVERY SYSTEM, BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE, FOR THE HEAA PROJECT. THIS SHALL INCLUDE TOTAL COMPONENT COUNTS OF THE VAPOR RECOVERY SYSTEM, PRIOR TO, AND AFTER MODIFICATION AS AN HEAA SYSTEM.
[RULE 1173]

Periodic Monitoring: NONE

Emissions and Requirements:

12. VOC: 0.08 LBS/1000 GAL, RULE 462
TOC/VOC: 35 MG/L, 40 CFR 60 SUBPART XX



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

