FACILITY PERMIT TO OPERATE
EQUILON ENTERPRISES LLC, SIGNAL HILL TERMINAL

PERMIT TO CONSTRUCT/OPERATE

Permit No
A/N 505270

Equipment Description:

VAPOR RECOVERY SYSTEM, CARBON ADSORBER WITH REGENERATION SYSTEM, JOHN ZINK, MODEL AA-825-6-15B, 200 CFM CAPACITY, SERVING THREE GASOLINE LOADING/UNLOADING RACKS, CONSISTING OF:

1. SIX VAPOR PICK-UP LINES AND A COLLECTION HEADER.
2. ONE VAPOR HOLDER, 30,000-CU. FT. CAPACITY, 30'-0" DIA. X 24'-0" H., FIXED ROOF WITH INTERNAL DIAPHRAGM.
3. TWO CARBON ADSORBERS, 6'-0" DIA X 15'-0" H. EACH
4. ONE VERTICAL ABSORBER, 2'-6" DIA X 10'-0" H.
5. ONE HORIZONTAL SEPARATOR, 4'-0" DIA. X 10'-0" L.
6. TWO VACUUM PUMPS, MECHANICAL SEALS, 75 HP EACH.
7. ONE GASOLINE SUPPLY PUMP, MECHANICAL SEALS, 10 HP.
8. TWO GASOLINE RETURN PUMPS, MECHANICAL SEALS, 25 HP EACH.
9. ONE SEAL FLUID CIRCULATION PUMP, 2 HP.
10. TWO BLOWERS, 3-HP EACH, ONE STANDBY.
11. VACUUM BOOSTER BLOWER, WITH 60 HP MOTOR
12. VAPOR HOLDER BYPASS

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]

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3. THE MAXIMUM GASOLINE LOADING RATE SHALL NOT EXCEED 2,118,404 GALLONS PER DAY FROM ALL THREE LOADING RACKS NOS. 1, 2, AND 3.

   [RULE 1303(b)(2) - OFFSET]

4. THE CONTINUOUS HYDROCARBON MONITORING SYSTEM SHALL BE IN FULL USE AT ALL TIMES AND SHALL ALERT THE OPERATOR BOTH AUDIBLY AND VISUALLY TO PREVENT HYDROCARBON BREAKTHROUGH. THE ALARM SHALL BE SET TO ACTIVATE AT A HYDROCARBON EMISSION RATE OF 0.065 POUND HYDROCARBON PER 1000 GALLONS.

   [RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]

5. THROUGHPUT RECORDS SHALL BE MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

   [RULE 1303(b)(2) - OFFSET]

6. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   GASOLINE LOADING RATES FOR RACKS NOS. 1, 2 AND 3
   FREQUENCY OF HYDROCARBON BREAKTHROUGHS

   [RULE 462, RULE 1303(b)(2) - OFFSET]

7. THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM THE DATE OF ISSUANCE UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.

   [RULE 204]

8. THE VAPOR HOLDER MAY BE BYPASSED DURING PERIODS OF MAINTANANCE, REPAIR, BREAKDOWN, OR OTHER TIMES DETERMINED APPROPRIATE BY THE PERMITTEE. VOC EMISSIONS SHALL NOT EXCEED 0.065 POUNDS PER 1,000 GALLONS OF ORGANIC LIQUID LOADED WHILE THE BLADDER TANK IS BYPASSED. THE OPERATOR SHALL KEEP RECORDS OF THE DATES AND DURATIONS WHEN THE VAPOR RECOVERY SYSTEM IS IN BYPASS MODE.

   [RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]

9. WITHIN 30 CALENDAR DAYS AFTER COMPLETING CONSTRUCTION OF THE VAPOR HOLDER BYPASS MODIFICATION, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE CALIFORNIA AIR RESOURCES BOARD (CARB) FOR CERTIFICATION OF THE MODIFIED VAPOR RECOVERY SYSTEM.

   [RULE 462]

10. THE OPERATOR SHALL LIMIT THE FLOW RATE OF THE VENT GAS TO THE CARBON ADSORBER TO NO MORE THAN 200 STANDARD CUBIC FEET PER MINUTE (1-HOUR AVERAGE). TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL, MAINTAIN AND OPERATE A FLOW

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METER TO MONITOR AND RECORD THE FLOW RATE OF THE GASES SENT TO THE CARBON ADSORBER AT LEAST ONCE EVERY MINUTE.

[RULE 204]

Periodic Monitoring:

11. THE OPERATOR SHALL CONDUCT SOURCE TEST(S), WHEN THE SYSTEM IS IN NORMAL MODE, IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

THE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY THREE YEARS.

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

THE TEST SHALL BE CONDUCTED TO DETERMINE THE TOTAL VOC EMISSION RATE IN POUNDS PER 1000 GALLONS OF ORGANIC LIQUID LOADED AND IN MILLIGRAMS PER LITER OF ORGANIC LIQUID LOADED.

[RULE 1303(a)(1) - BACT, RULE 3004(a)(4) - PERIODIC MONITORING]

Emissions and Requirements:

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

VOC:	0.08 LB/1000 GAL. ORGANIC LIQUID LOADED RULE 462
VOC:	0.065 LB/1000 GAL. ORGANIC LIQUID LOADED RULE 1303(a)(1) - BACT
VOC/TOC:	35 MG/L GASOLINE LOADED 40CFR60 SUBPART XX