

FACILITY PERMIT TO CONSTRUCT CHEVRON USA INC

PERMIT TO CONSTRUCT

Draft

A/N 522923

Equipment Description:

MODIFICATION TO: STORAGE TANK NO. 886, 35'-0" DIA. X 32'-0" H., DOUBLE DECK, DOMED EXTERNAL FLOATING ROOF, 5,500 BARREL CAPACITY, WELDED SHELL, WITH A METALLIC SHOE PRIMARY SEAL, A RIM MOUNTED SECONDARY SEAL;
BY THE ADDITION OF: AN EXTERNAL GEODESIC DOME.

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. UPON COMPLETION OF THE MODIFICATION, THIS TANK SHALL ONLY BE USED FOR STORAGE OF TRANSMIX. THE REID VAPOR PRESSURE OF PRODUCTS STORED IN THIS TANK SHALL NOT EXCEED RVP 13.
[RULE 1303(b)(2)-OFFSET]
4. UPON COMPLETION OF THE MODIFICATION, THE THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 65,100 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 463, RULE 1303(b)(2)-OFFSET, 40CFR60 SUBPART Kb]
5. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE DOME VAPOR SPACE EVERY SIX MONTHS.
[RULE 204]
6. THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF SHALL NOT EXCEED 30% OF THE VAPOR LOWER EXPLOSIVE LIMIT.
[RULE 204]
7. THE OPERATOR SHALL SUBMIT TO THE DISTRICT, WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETED, THE FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE GEODESIC DOME COVER AND OTHER TANK UPGRADES TO BE INSTALLED/CONSTRUCTED.
[RULE 1303(b)(2)-OFFSET]
8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

FACILITY PERMIT TO CONSTRUCT CHEVRON USA INC

[RULE 463, RULE 1303(b)(2)-OFFSET, 40CFR60 SUBPART Kb]

Periodic Monitoring: NONE

Emissions and Requirements:

9. THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC : 40CFR60 SUBPART Kb

FACILITY PERMIT TO CONSTRUCT CHEVRON USA INC

PERMIT TO CONSTRUCT

Draft

A/N 528998

Equipment Description:

MODIFICATION OF PERMIT TO CONSTRUCT NO. R-391362, TRUCK BOTTOM LOADING RACK NO. 1
CONSISTING OF:

1. TWO 4" EMCO-WHEATON DIESEL BOTTOM LOADING CONNECTIONS (A&B).
2. TWO 4" EMCO-WHEATON VAPOR RETURN CONNECTIONS.
3. THREE DIESEL CENTRIFUGAL PUMPS (COMMON), EACH EQUIPPED WITH A MECHANICAL SEAL, AND A 60 H.P. MOTOR.
4. TWO VELCON TYPE FILTERS (COMMON).
5. TWO METERS.
6. ONE 4" EMCO-WHEATON PURINOX CARB DIESEL BOTTOM LOADING CONNECTION (C) DRYBREAK COUPLER.
7. ONE VELCON TYPE 5-MICRON FILTER.
8. ONE 4" TURBINEMETER, 640 GPM.
9. ONE 4" EMCO-WHEATON ETHANOL BOTTOM LOADING CONNECTION.
10. ONE ETHANOL METER.
11. TWO VELCON TYPE FILTERS (COMMON).
12. TWO ETHANOL LOADING PUMPS (COMMON), EACH EQUIPPED WITH DOUBLE MECHANICAL SEAL, AND A 50 H.P. MOTOR.

BY THE DELETION OF THE FOLLOWING:

1. TWO 4" EMCO-WHEATON DIESEL BOTTOM LOADING CONNECTIONS (A&B).
2. TWO 4" EMCO-WHEATON VAPOR RETURN CONNECTIONS.
6. ONE 4" EMCO-WHEATON PURINOX CARB DIESEL BOTTOM LOADING CONNECTION (C) DRYBREAK COUPLER.
9. ONE 4" EMCO-WHEATON ETHANOL BOTTOM LOADING CONNECTION.

BY THE ADDITION OF THE FOLLOWING:

1. TWO 4" DIESEL BOTTOM LOADING CONNECTIONS (A&B), EMCO-WHEATON OR EQUIVALENT.
2. TWO 4" VAPOR RETURN CONNECTIONS, EMCO-WHEATON OR EQUIVALENT.

FACILITY PERMIT TO CONSTRUCT CHEVRON USA INC

6. ONE 4" EMCO-WHEATON BIODIESEL BOTTOM LOADING CONNECTION (C), EMCO-WHEATON OR EQUIVALENT.
9. ONE 4" ETHANOL BOTTOM LOADING CONNECTION, EMCO-WHEATON OR EQUIVALENT.
13. ONE TRANSMIX CENTRIFUGAL PUMP, EQUIPPED WITH DOUBLE MECHANICAL SEALS AND A BARRIER FLUID, AND A 30 H.P. MOTOR.

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]
8. THE MAXIMUM LOADING RATE OF THE BULK LOADING PLANT FOR GASOLINE, DIESEL, BIODIESEL AND TRANSMIX SHALL NOT EXCEED 3,303,109 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT.
[RULE 1303(b)(2) – OFFSETS]
9. THE THROUGHPUT OF FUEL ETHANOL LOADING SHALL NOT EXCEED 100,000 BARRELS PER MONTH.
[RULE 1304 (c)(4) - REGULATORY COMPLIANCE]
10. THE OPERATOR SHALL NOT OPERATE THE DIESEL, BIODIESEL, TRANSMIX OR ETHANOL LOADING CONNECTIONS, UNLESS THEY ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 462, RULE 1303(a)(1) – BACT]
11. IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT. RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 204]
12. THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH 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

FACILITY PERMIT TO CONSTRUCT CHEVRON USA INC

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.

THE OPERATOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DISTRICT NO LATER THAN 60 DAYS AFTER INITIAL STARTUP OF THE EQUIPMENT IN THE SYSTEM:

PROCESS AND INSTRUMENTATION DIAGRAMS (OR SOME OTHER EQUIVALENT DISTRICT-APPROVED DIAGRAMS) THAT IDENTIFY ALL VALVES. THE OPERATOR SHALL ALSO PROVIDE A LISTING OF ALL VALVES INSTALLED OR REMOVED, CATEGORIZED BY LOCATION, TYPE, SIZE, ACCESSIBILITY, AND SERVICE; AND FOR NON-BELLOW SEAL VALVES, REASON/S WHY BELLOW SEAL VALVES ARE NOT USED. A RECALCULATION OF FUGITIVE EMISSIONS SHALL BE SUBMITTED BASED ON THE ACTUAL COMPONENTS INSTALLED OR REMOVED FROM THE SYSTEM.

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 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 PPM ABOVE BACKGROUND.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND RE-INSPECTIONS, IF ANY, SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT. RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1173, RULE1303 (a)(1) - BACT]

8. RULE 1173 INSPECTION AND MAINTENANCE PROGRAM IS REQUIRED. THE OPERATOR SHALL MAINTAIN RECORDS OF THE INSPECTION IN A FORMAT APPROVED BY THE DISTRICT. RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1173]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 462 – 0.08 LBS/1000 GALS ORGANIC LIQUID LOADED
VOC: RULE 1303(b)(2)-OFFSET – 0.04 LBS/1000 GALS ORGANIC LIQUID LOADED