

PERMIT TO CONSTRUCT

Granted / / /
A/N 528298

Equipment Description:

ALTERATION TO AN EXISTING PERMIT TO OPERATE R-F16481 (A/N 342312) DESCRIBED AS:

TWO POSITION TANK TRUCK LOADING RACK, 2-C (LANES 5 & 6) CONSISTING OF:

1. TWELVE (12) 4" BOTTOM LOADING ARMS EQUIPPED WITH API DRY-BREAK COUPLERS
2. FOUR (4) 3" VAPOR HOSES VENTING TO A VAPOR CONTROL SYSTEM
3. PUMP NO. 40, LOADING, CENTRIFUGAL, WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
4. PUMP NO. 45, LOADING (SPARE), CENTRIFUGAL, WITH DOUBLE MECHANICAL SEAL AND BARRIER FLUID, 150 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
5. PUMP NO. 51, LOADING, CENTRIFUGAL, SINGLE STAGE, HORIZONTAL, TANDEM SEAL, WITH BARRIER FLUID, AND 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
6. PUMP NO. 59, LOADING, CENTRIFUGAL, WITH DOUBLE MECHANICAL SEAL AND BARRIER FLUID, 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
7. PUMP NO. 60, LOADING, CENTRIFUGAL, WITH DOUBLE MECHANICAL SEAL AND BARRIER FLUID, 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
8. PUMP NO. 27, LOADING (SPARE), CENTRIFUGAL, WITH MECHANICAL SEAL AND 30 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
9. PUMP NO. 37, LOADING (SPARE), CENTRIFUGAL, WITH MECHANICAL SEAL AND 60 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
10. PUMP NO. 39, LOADING (SPARE), CENTRIFUGAL, WITH DOUBLE MECHANICAL SEAL AND BARRIER FLUID, 100 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
11. PUMP NO. 81, ADDITIVE INJECTION (SPARE), CENTRIFUGAL, WITH SEALLESS MAGNET DRIVE AND 2 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
12. PUMP NO. 82, ADDITIVE INJECTION (SPARE), CENTRIFUGAL, WITH SEALLESS MAGNET DRIVE AND 2 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
13. PUMP NO. 48, LOADING (SPARE), CENTRIFUGAL, WITH DOUBLE MECHANICAL DRY RUNNING SEALS VENTED TO VAPOR CONTROL SYSTEM AND 50 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
14. PUMP NO. 49, LOADING (SPARE), CENTRIFUGAL, WITH DOUBLE MECHANICAL DRY RUNNING SEALS VENTED TO VAPOR CONTROL SYSTEM AND 50 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)

15. PUMP NO. 78, LOADING (SPARE), CENTRIFUGAL, WITH DOUBLE MECHANICAL SEAL AND 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
16. PUMP NO. 65, LOADING (SPARE), CENTRIFUGAL, WITH MECHANICAL SEAL AND 200 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
17. PUMP NO. 109, ADDITIVE INJECTION (SPARE), CENTRIFUGAL, WITH SEALLESS MAGNET DRIVE AND 2 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
18. PUMP NO. 110, ADDITIVE INJECTION (SPARE), CENTRIFUGAL, WITH SEALLESS MAGNET DRIVE AND 2 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
19. PUMP NO. 34, LOADING (SPARE), CENTRIFUGAL, SINGLE STAGE HORIZONTAL, TANDEM SEAL, WITH BARRIER FLUID, AND 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
20. PUMP NO. 44, LOADING (SPARE), CENTRIFUGAL (SPARE), SINGLE STAGE HORIZONTAL, TANDEM SEAL, WITH BARRIER FLUID, AND 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)
21. PUMP NO. 46, LOADING (SPARE), CENTRIFUGAL, SINGLE STAGE HORIZONTAL, TANDEM SEAL, WITH BARRIER FLUID, AND 125 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)

BY THE REMOVAL OF:

PUMP NO. 40, LOADING, CENTRIFUGAL, WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B)

AND THE ADDITION OF

TWO (2) PUMPS NOS. 40a, 40b, LOADING, CENTRIFUGAL, EACH WITH MECHANICAL SEAL AND 75 HP MOTOR (COMMON TO LOADING FACILITY 1-A, 1-B, 2-A AND 2-B), ONE AS BACKUP.

Conditions:

- 1) **CONSTRUCTION AND 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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.**
[RULE 462, 1303(a)(1)-BACT, 40 CFR 60 SUBPART XX, 40 CFR 63 SUBPART R]

4. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 14,000,000 GALLONS PER DAY. FOR THE PURPOSES OF THIS CONDITION, THE TOTAL DAILY THROUGHPUT SHALL BE DEFINED AS THE SUM OF ALL PRODUCTS TRANSFERRED AT TRUCK LOADING RACKS IN WHICH THE VENT GASES ARE CONTROLLED BY THE PRIMARY THERMAL OXIDATION UNIT.
[RULE 462]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 4,800,000 GALLONS PER DAY. FOR THE PURPOSES OF THIS CONDITION, THE TOTAL DAILY THROUGHPUT SHALL BE DEFINED AS THE SUM OF GASOLINE, JET AND DIESEL FUELS TRANSFERRED TO CARGO TANKS AT THE LOADING RACKS IN WHICH THE VENT GASES ARE CONTROLLED BY THE BACKUP THERMAL OXIDIZER.
[RULE 462]
6. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 16,000,000 GALLONS PER DAY. FOR THE PURPOSES OF THIS CONDITION, THE TOTAL DAILY THROUGHPUT SHALL BE DEFINED AS THE THROUGHPUT FOR THE ENTIRE FACILITY (INCLUDING INCOMING CRUDE PRODUCTS).
[RULE 462-1303(b)(2)-OFFSETS]
7. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBER (e.g. NUMBERS ENDING IN THE LETTER "N") AND SHALL BE NOTED IN THE RECORDS.

ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.

FOR ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, ANY LEAK GREATER THAN 350 PPM, MEASURED AS METHANE, ABOVE BACKGROUND, AS MEASURED 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.

IF 98.0 PERCENT OR GREATER OF THE NEW (NON-BELLOWS-SEALED) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 350 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 INSPECTION (AND QUARTERLY, WHERE APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT.

[RULE 1303(b)2)-OFFSET]

8. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S).
[RULE 1303(b)(2)-OFFSET]

9. THIS PERMIT TO CONSTRUCT SHALL EXPIRE (ONE YEAR FROM DATE OF ISSUANCE) UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.

Periodic Monitoring: NONE

Emissions and Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE FOLLOWING APPLICABLE RULES AND REGULATIONS:

VOC: 0.08 LB/1000 GALLONS, RULE 462, 1303
TOC/VOC: 35 MG/L, 40 CFR 60 SUBPART XX
HAP/TOC: 10 MG/L, 40 CFR 63 SUBPART R