

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### PERMIT TO CONSTRUCT

A/N 478611  
Granted 05/06/2009

#### Equipment Description:

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE 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. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]

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6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 121,956 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 3 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

.IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.

[RULE 1149]

8. 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, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]

9. 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) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.

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

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED 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 DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

**Periodic Monitoring: NONE**

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### Emissions and Requirements:

17. IN ACCORDANCE WITH RULE 3002(a)(3) THE PERMIT FOR THIS EQUIPMENT IS BEING ISSUED AS A NON-TITLE V PERMIT. THE FACILITY PERMIT HOLDER SHALL SUBMIT AN APPLICATION FOR A TITLE V PERMIT REVISION TO INCLUDE THIS PERMIT TO CONSTRUCT ISSUED UNDER APPLICATION NO. 478611 FOR TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 3003(a)(5)]
  
18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC:           RULE 463  
VOC:           RULE 1149  
VOC:           RULE 1173  
VOC:           40 CFR 60 SUBPART Kb

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### PERMIT TO CONSTRUCT

**A/N 502610**  
**Granted: tbd**

#### **Equipment Description:**

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE 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. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 132,898 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 6 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

.IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.  
[RULE 1149]
8. 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, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]
9. 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) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.  
[RULE 1303(b)(2)-OFFSET]

## **FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY**

10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED 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 DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1173
VOC:	40 CFR 60 SUBPART Kb
VOC:	40 CFR 63 SUBPART BBBBb