



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



AUG 21 2014

Gregory Pritchett
Chevron USA Inc
PO Box 1372
Bakersfield, CA 93302

RE: Notice of Final Action - Authority to Construct
Facility Number: C-2872
Project Number: C-1141400

Dear Mr. Pritchett:

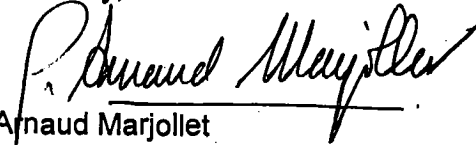
The Air Pollution Control Officer has issued the Authority to Construct permits to Chevron USA Inc for replacement of tanks, authorization of an existing loading rack, and installation of a flare, at the 7F Oil Cleaning Plant within the light oil production stationary source, Fresno County. Enclosed are the Authority to Construct permits and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permits was published on July 1, 2014. The District's analysis of the proposal was also sent to CARB on June 26, 2014. All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period resulted in deletion of various permit conditions. These changes were minor and did not trigger additional public notification requirements, nor did they have any impact upon the Best Available Control Technology determination or on the amount of offsets required for project approval.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura at (661) 392-5500.

Sincerely,



Arnaud Marjollet
Director of Permit Services

AM:rue/ya

Enclosures

cc: Mike Tollstrup, CARB (w/enclosure) via email
Seyed Sadredin

Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-64-1

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

SECTION: 7 **TOWNSHIP:** 19S **RANGE:** 15E

EQUIPMENT DESCRIPTION:

UP TO 1000 BBL FIXED ROOF CRUDE OIL STORAGE TANK (T-110), INCLUDING LACT UNIT WITH LIQUID PUMPS DISCHARGING TO TRUCK LOADOUT LISTED ON PERMIT C-2872-68, AND VENTING TO TANK VAPOR CONTROL SYSTEM SHARED WITH TANKS C-2872-65, '-67, AND TRUCK LOADOUT C-2872-68, DISCHARGING COLLECTED VAPORS THROUGH LOW PRESSURE KNOCKOUT DRUM V-150 TO FLARE C-2872-69 OR DOGGR-APPROVED DISPOSAL WELLS (INSPECTOR TO VERIFY TANK CAPACITY AT STARTUP INSPECTION)

CONDITIONS

1. ATC C-2872-64-0 and PTO C-2872-1-1 are hereby cancelled. [District Rule 2201]
2. ATC shall be implemented concurrently with or subsequent to ATC C-2872-69-0. [District Rule 2201]
3. The vapor control system shall be capable of reducing VOC emissions by at least 99% by weight. [District Rule 2201]
4. Collected tank vapors shall be incinerated in flare C-2872-69 or reinjected into DOGGR-approved disposal wells. [District Rule 2201]
5. Except as otherwise provided on this permit, this tank shall be maintained in a leak-free condition. [District Rule 4623]
6. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
7. Except as otherwise provided for on this permit, this tank shall only vent to the vapor control system. [District Rules 2201 and 4623]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

Amanda Marjollet, Director of Permit Services

8. Except as otherwise provided in this permit, the vapor control system shall be maintained in a leak-free condition. [District Rule 4623]
9. VOC fugitive emissions from the components in gas and liquid service on the tank and LACT shall not exceed 7.6 lb/day. [District Rule 2201]
10. VOC fugitive emissions from the components in gas and liquid service part of the vapor control system shall not exceed 23.2 lb/day. [District Rule 2201]
11. Permittee shall maintain accurate component count for tank and TVR system according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4 (EPA-453/R-95-017), Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
12. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rules 2201 and 4623]
13. Any component found to be leaking by the operator on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623]
14. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 2201 and 4623]
15. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623]
16. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623]
17. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rules 2201 and 4623]
18. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rules 2201 and 4623]
19. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rules 2201 and 4623]
20. The permittee shall keep accurate records of the dates of inspection and monitoring and the components inspected and monitored. [District Rules 2201 and 4623]
21. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2080]

CONDITIONS CONTINUE ON NEXT PAGE

22. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]
23. This tank shall be degassed before commencing interior cleaning by one of the following methods (1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or (2) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or (3) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
24. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
25. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
26. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid. [District Rule 4623]
27. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid is placed, held, or stored in this tank. [District Rule 4623]
28. While performing tank cleaning activities, operators may only use the following cleaning agents: water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623]
29. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
30. During sludge removal from a vessel containing an organic liquid with a TVP or 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
31. Permittee shall only transport removed sludge from a tank containing an organic liquid with a TVP of 1.5 psia or greater, in closed liquid leak-free containers. [District Rule 4623]
32. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]
33. All records of required monitoring data and support information shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4623]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-65-1

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

SECTION: 7 **TOWNSHIP:** 19S **RANGE:** 15E

EQUIPMENT DESCRIPTION:
1000 BBL FIXED ROOF CRUDE OIL DRAIN TANK (T-130) CONNECTED TO TANK VAPOR CONTROL SYSTEM LISTED ON PERMIT C-2872-64 (INSPECTOR TO VERIFY TANK CAPACITY AT STARTUP INSPECTION)

CONDITIONS

1. ATC shall be implemented concurrently with or subsequent to ATC C-2872-64-1. [District Rule 2201]
2. ATC C-2872-65-0 and PTO C-2872-4-1 are hereby cancelled. [District Rule 2201]
3. Except as otherwise provided on this permit, this tank shall be maintained in a leak-free condition. [District Rule 4623]
4. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
5. Except as otherwise provided for on this permit, this tank shall only vent to the vapor control system. [District Rules 2201 and 4623]
6. Except as otherwise provided in this permit, the vapor control system shall be maintained in a leak-free condition. [District Rule 4623]
7. VOC fugitive emissions from the components in gas and liquid service on the tank shall not exceed 4.9 lb/day. [District Rule 2201]
8. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4 (EPA-453/R-95-017), Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services
C-2872-05-1 Aug 12 2014 9:50AM - EDGEHLR Joint Inspection NOT Required

9. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rules 2201 and 4623]
10. Any component found to be leaking by the operator on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623]
11. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 2201 and 4623]
12. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623]
13. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623]
14. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rules 2201 and 4623]
15. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rules 2201 and 4623]
16. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rules 2201 and 4623]
17. The permittee shall keep accurate records of the dates of inspection and monitoring and the components inspected and monitored. [District Rule 2201 and 4623]
18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2080]
19. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]

CONDITIONS CONTINUE ON NEXT PAGE

20. This tank shall be degassed before commencing interior cleaning by one of the following methods (1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or (2) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or (3) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
21. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
22. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
23. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid. [District Rule 4623]
24. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid is placed, held, or stored in this tank. [District Rule 4623]
25. While performing tank cleaning activities, operators may only use the following cleaning agents: water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623]
26. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
27. During sludge removal from a vessel containing an organic liquid with a TVP or 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
28. Permittee shall only transport removed sludge from a tank containing an organic liquid with a TVP of 1.5 psia or greater, in closed liquid leak-free containers. [District Rule 4623]
29. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]
30. All records of required monitoring data and support information shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4623]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-66-1

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

SECTION: 7 TOWNSHIP: 19S RANGE: 15E

EQUIPMENT DESCRIPTION:

UP TO 300 BBL HORIZONTAL THREE PHASE SEPARATOR VESSEL (V-100), INCLUDING HIGH PRESSURE KNOCK OUT VESSEL V-140, VENTED TO FLARE C-2872-69 OR DOGGR-APPROVED DISPOSAL WELL(S) (INSPECTOR TO VERIFY TANK CAPACITY AT STARTUP INSPECTION)

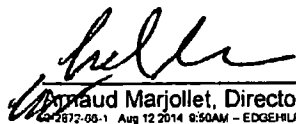
CONDITIONS

1. ATC shall be implemented concurrently with or subsequent to ATC C-2872-64-1. [District Rule 2201]
2. ATC C-2872-66-0 and PTO C-2872-3-1 are hereby cancelled. [District Rule 2201]
3. Except as otherwise provided on this permit, this separator shall be maintained in a leak-free condition. [District Rule 4623]
4. Except as otherwise provided in this permit, any separator gauging or sampling device on a separator vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
5. Except as otherwise provided for on this permit, this separator shall only vent to flare C-2872-69 or DOGGR-approved disposal well(s). [District Rules 2201 and 4623]
6. VOC fugitive emissions from the components in gas and liquid service on the phase separator shall not exceed 12.0 lb/day. [District Rule 2201]
7. Permittee shall maintain accurate component count for separator according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4 (EPA-453/R-95-017), Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of Issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Sayed Sadredin, Executive Director / APCO



Bernard Marjollet, Director of Permit Services

C-2872-66-1 Aug 12 2014 9:50AM - EDGEMLR Job Inspection NOT Required

8. All piping, fittings, and valves on this separator shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rules 2201 and 4623]
9. Any component found to be leaking by the operator on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623]
10. Operator shall visually inspect separator shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the separator and within five feet of the separator at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated separators for structural integrity annually. [District Rules 2201 and 4623]
11. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623]
12. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623]
13. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rules 2201 and 4623]
14. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rules 2201 and 4623]
15. If a component type for a given separator is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the separator or separator system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rules 2201 and 4623]
16. The permittee shall keep accurate records of the dates of inspection and monitoring and the components inspected and monitored. [District Rule 2201 and 4623]
17. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2080]
18. Permittee shall notify the APCO in writing at least three (3) days prior to performing separator degassing and interior separator cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the separator being degassed, 2) the date and time that separator degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the separator, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]

CONDITIONS CONTINUE ON NEXT PAGE

19. This separator shall be degassed before commencing interior cleaning by one of the following methods (1) exhausting VOCs contained in the separator vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or (2) displacing VOCs contained in the separator vapor space to an APCO-approved vapor recovery system by filling the separator with a suitable liquid until 90 percent or more of the maximum operating level of the separator is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or (3) displacing VOCs contained in the separator vapor space to an APCO-approved vapor recovery system by filling the separator with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the separator capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
20. During separator degassing, the operator shall discharge or displace organic vapors contained in the separator vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
21. To facilitate connection to an external APCO-approved recovery system, a suitable separator fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
22. This separator shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the separator with an organic liquid. [District Rule 4623]
23. After a separator has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid is placed, held, or stored in this separator. [District Rule 4623]
24. While performing separator cleaning activities, operators may only use the following cleaning agents: water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623]
25. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
26. During sludge removal from a vessel containing an organic liquid with a TVP of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
27. Permittee shall only transport removed sludge from a separator containing an organic liquid with a TVP of 1.5 psia or greater, in closed liquid leak-free containers. [District Rule 4623]
28. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in separators complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]
29. All records of required monitoring data and support information shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4623]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-67-1

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

SECTION: 7 TOWNSHIP: 19S RANGE: 15E

EQUIPMENT DESCRIPTION:

UP TO 1000 BBL FIXED ROOF CRUDE OIL WASTE WATER TANK (T-120) CONNECTED TO TANK VAPOR CONTROL SYSTEM LISTED ON PERMIT C-2872-64 (INSPECTOR TO VERIFY TANK CAPACITY AT STARTUP INSPECTION)

CONDITIONS

1. ATC shall be implemented concurrently with or subsequent to ATC C-2872-64-1. [District Rule 2201]
2. ATC C-2872-67-0 and PTO C-2872-7-1 are hereby cancelled. [District Rule 2201]
3. Except as otherwise provided on this permit, this tank shall be maintained in a leak-free condition. [District Rule 4623]
4. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
5. Except as otherwise provided for on this permit, this tank shall only vent to the vapor control system listed on C-2872-64. [District Rules 2201 and 4623]
6. VOC fugitive emissions from the components in gas and liquid service on the tank shall not exceed 7.3 lb/day. [District Rule 2201]
7. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4 (EPA-453/R-95-017), Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

Renaud Marjollet, Director of Permit Services

C-2872-67-1 Aug 12 2014 9:50AM - EDGENLR : Joint Inspection NOT Required

8. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rules 2201 and 4623]
9. Any component found to be leaking by the operator on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623]
10. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rules 2201 and 4623]
11. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623]
12. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623]
13. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rules 2201 and 4623]
14. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rules 2201 and 4623]
15. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rules 2201 and 4623]
16. The permittee shall keep accurate records of the dates of inspection and monitoring and the components inspected and monitored. [District Rule 2201 and 4623]
17. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2080]
18. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]

CONDITIONS CONTINUE ON NEXT PAGE

19. This tank shall be degassed before commencing interior cleaning by one of the following methods (1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or (2) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or (3) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
20. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
21. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
22. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid. [District Rule 4623]
23. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid is placed, held, or stored in this tank. [District Rule 4623]
24. While performing tank cleaning activities, operators may only use the following cleaning agents: water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623]
25. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
26. During sludge removal from a vessel containing an organic liquid with a TVP of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
27. Permittee shall only transport removed sludge from a tank containing an organic liquid with a TVP of 1.5 psia or greater, in closed liquid leak-free containers. [District Rule 4623]
28. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]
29. All records of required monitoring data and support information shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4623]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-68-1

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

SECTION: 7 **TOWNSHIP:** 19S **RANGE:** 15E

EQUIPMENT DESCRIPTION:
CLASS 2 ORGANIC LIQUID TRUCK LOADING OPERATION WITH VAPOR RETURN PIPING CONNECTED TO TANK
VAPOR CONTROL SYSTEM LISTED ON PERMIT C-2872-64

CONDITIONS

1. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 152 lb, 2nd quarter - 152 lb, 3rd quarter - 152 lb, and fourth quarter - 152 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201]
2. ERC Certificate Number S-3737-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
3. ATC shall be implemented concurrently with or subsequent to ATC C-2872-64-1. [District Rule 2201]
4. ATC C-2872-68-0 is hereby cancelled. [District Rule 2201]
5. During truck loading, displaced vapors shall be vented to the TVR system listed on tank permit C-2872-64. [District Rule 4624]
6. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and six inches water column vacuum. [District Rule 4624]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



Renaud Marjollet, Director of Permit Services

7. Transfer rack shall be maintained and operated in accordance with the manufacturer's specifications, and operated such that there are no leaks or excess organic liquid drainage at disconnections as defined herein. [District Rule 4624]
8. All liquids and gases from the transfer operation shall be routed to one of the following systems: a vapor collection and control system; a fixed roof container that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids); a floating roof container that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids); or a pressure vessel equipped with an APCO-approved vapor recovery system that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids); or a closed VOC emission control system. [District Rules 4623 and 4624]
9. Total product loaded into trucks via truck loading rack shall not exceed 19,999 gallons per day. [District Rules 2201 and 4624]
10. Controlled VOC emissions from truck loading operation shall not exceed 0.0516 lb-VOC/1000 gallons loaded. [District Rules 2201 and 4624]
11. Total number of disconnects shall not exceed 5 per day. [District Rule 2201]
12. During hose disconnects the maximum liquid spillage for liquids shall not exceed 10 milliliters/disconnect based on an average from 3 consecutive disconnects. [District Rule 2201 and 4624]
13. Components subject to Rule 4409 and 4623 (vapor components tied to TVR system listed on C-2872-64) are exempt from the leak inspection requirements of Rule 4624. [District Rule 4624]
14. The operator shall maintain records of truck load out daily liquid throughput and number of disconnects. Records shall be retained for a minimum of five years and made readily available during normal business hours and submitted upon request to the APCO, CARB, or EPA. [District Rule 4624]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-2872-69-0

ISSUANCE DATE: 08/12/2014

LEGAL OWNER OR OPERATOR: CHEVRON USA, INC.
MAILING ADDRESS: P O BOX 1392
BAKERSFIELD, CA 93302

LOCATION: LIGHT OIL PRODUCTION
FRESNO COUNTY, CA

EQUIPMENT DESCRIPTION:
15.2 MMBTU/HR AIR ASSISTED JOHN ZINC FLARE, ZEECO, OR EQUIVALENT, RECEIVING VAPORS FROM C-2872-64 AND/OR '66

CONDITIONS

1. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,203 lb, 2nd quarter - 2,203 lb, 3rd quarter - 2,203 lb, and fourth quarter - 2,203 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201]
2. ERC Certificate Number S-3737-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
3. PTO C-2872-2-1 is hereby cancelled. [District Rule 2201]
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

Renaud Marjollet, Director of Permit Services

C-2872-69-0 : Aug 12 2014 9:50AM - EDGEHILR : Joint Inspection NOT Required

6. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
7. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
8. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
9. Flare shall be equipped with continuous pilot fired only on natural gas, LPG, or propane . [District Rules 2201 and 4311]
10. Flare outlet shall be equipped with an automatic ignition system, or, shall operate with a pilot flame present at all times when combustible gases are vented through the flare. The pilot need not be present when the flare is isolated for required flare maintenance. [40 CFR 60.18(c)(2), District Rule 4311, 5.3]
11. Flare shall be equipped with an operating flow-sensing ignition system, an operating heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent operating device capable of continuously detecting at least one pilot flame or the flare flame is present. [District Rule 4311]
12. Gas lines to flare shall be equipped with operational, volumetric flow rate indicators. [District Rule 4311]
13. Flare air-assist blower shall be maintained and operated for smokeless combustion, i.e. no visible emissions in excess of 5% opacity or 1/4 Ringelmann except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [40 CFR 60.18 (c)(1), District Rules 2201, 4001, and 4311]
14. Demonstration of compliance with the visible emissions limit of this permit shall be conducted at least annually, using EPA Method 22. The observation period shall be 2 hours. [40 CFR 60.18(f)(1)]
15. Flare shall be designed and operated to reduce VOC emissions from C-2872-64 and '66 by at least 99% by weight. [District Rule 2201]
16. Emissions rates from the flare shall not exceed any of the following limits: 0.068 lb-NO_x/MMBtu, 0.0051 lb-SO_x/MMBtu, 0.026 lb-PM₁₀/MMBtu, 0.370 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201]
17. Heat input to the flare shall not exceed 365 MMBtu in any one day nor 133,225 MMBtu per calendar year. [District Rule 2201]
18. Sulfur content of gas flared shall not exceed 1.8 grain-S/100 scf. [District Rules 2201 and 4801]
19. Sulfur content and higher heating value of the flared gas shall be tested within 60 days of startup and not less than annually thereafter. [District Rule 2201]
20. Hydrogen sulfide content of vent gas shall be determined using ASTM Method D 1945-96, ASTM Method UOP 539-97, ASTM Method D 4084-94, or ASTM Method D 4810-88. Applicant may use other test method(s) with prior written approval from the APCO. [District Rules 1081 and 4311]
21. Pilot/purge gas sulfur content shall be determined using method ASTM D 1072, grab sample analysis by GC-FPD/TCD performed in the laboratory, or by certified copies of the gas sulfur content from the gas supplier. If monitored using continuous analyzers not employing gas chromatography, the total sulfur content shall be determined by using EPA Method D4468-85. Fuel gas hhv shall be determined using ASTM D1826 or D1945 in conjunction with ASTM D3588. Applicant may use other test method(s) with prior written approval from the APCO. [District Rule 1081]
22. Measured higher heating value and volume (scf) of gas flared shall be used to determine compliance with heat input limits. [District Rule 2201]
23. Upon request, the operator shall make available, to the APCO, the compliance determination records that demonstrate compliance with the provisions of 40 CFR 60.18, (c)(3) through (c)(5). [District Rule 4311]
24. A flame shall be present at all times when combustible gases are vented through this flare. [District Rules 2201 and 4311]

CONDITIONS CONTINUE ON NEXT PAGE

25. Flares shall only be used with the net heating value of the gas being combusted being 300 Btu/scf or greater if the flare is air-assisted or steam-assisted. [40 CFR 60.18 (c)(3)]
26. The net heating value of the gas being combusted in a flare shall be calculated annually, pursuant to 40 CFR 60.18(f)(3) and using EPA Method 18, ASTM D1946, and ASTM D2382. [40 CFR 60.18 (f)(3-6)]
27. Air-assisted flares shall be operated with an exit velocity less than V_{max} , as determined by the equation specified in paragraph 40 CFR 60.18 (f)(6). [40 CFR 60.18 (c)(5)]
28. The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip. [40 CFR 60.18 (f)(4)]
29. Permittee shall submit and have approved by the APCO a flare minimization plan prior to operating the flare authorized by this permit. [District Rule 4311]
30. Flaring shall be consistent with the operator's approved flare minimization plan (FMP), pursuant to Section 6.5 of Rule 4311, and all commitments listed in that plan have been met. This standard shall not apply if the APCO determines that the flaring is caused by an emergency as defined by Section 3.7 of Rule 4311 and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere. [District Rule 4311]
31. The operator of a flare subject to flare minimization requirements pursuant to Section 5.8 shall monitor the vent gas flow to the flare with a flow measuring device or other parameters as specified in the Permit to Operate. The operator shall maintain records pursuant to Section 6.1.7 of Rule 4311. Flares that the operator can verify, based on permit conditions, are not capable of producing reportable flare events pursuant to Section 6.2.2 of Rule 4311 shall not be required to monitor vent gas flow to the flare. [District Rule 4311]
32. Permittee shall keep a copy of flare minimization plan on site for District inspection upon request. [40 CFR 60.18, Rule 4311]
33. Permittee shall keep accurate records of (1) daily, and annual volume (scf) of gas flared; (2) flare gas sulfur content test results; and (3) flare gas higher heating value test results. [District Rules 2201 and 4311]
34. Copies of compliance determination pursuant to 40 CFR 60.18 shall be made readily available to the APCO, ARB, and EPA upon request for a minimum of 5 years. [District Rules 1070 and 4311]
35. Semi-annual reports of all periods without the presence of a flare pilot flame shall be furnished to the District Compliance Division and EPA. [District Rule 4001, 40CFR 60.115b(d)(3)]
36. Records shall be maintained of all periods when the flare pilot flame is absent. [District Rule 40CFR 60.115(d)(2)]
37. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 2201 and 4311]