



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

**MAY - 2 2012**

Jason Donchin  
Chevron USA, Inc.  
PO Box 1392  
Bakersfield, CA 93302

**Re: Notice of Final Action - Significant Title V Permit Modification  
District Facility # S-1128  
Project # 1113694**

Dear Mr. Donchin:

The Air Pollution Control Officer has modified the Title V permit for Chevron USA, Inc. in the Cymric Oil Field, within the Section 31, Township 24S, Range 17E incorporating S-1128-934-7. The modification is to delete an annual visible emission testing requirement for a flare.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on 9/22/11. No comments were received following the District's preliminary decision on this project.

The notice of final decision for this project will be published approximately three days from the date of this letter

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

Sincerely,

David Warner  
Director of Permit Services

DW: DBT/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**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  
[www.valleyair.org](http://www.valleyair.org)

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



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

MAY - 2 2012

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Final Action - Significant Title V Permit Modification  
District Facility # S-1128  
Project # 1113694**

Dear Mr. Rios:

The Air Pollution Control Officer has modified the Title V permit for Chevron USA, Inc. in the Cymric Oil Field, within the Section 31, Township 24S, Range 17E incorporating S-1128-934-7. The modification is to delete an annual visible emission testing requirement for a flare.

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Sincerely,

David Warner  
Director of Permit Services

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# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

MAY - 2 2012

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Final Action - Significant Title V Permit Modification  
District Facility # S-1128  
Project # 1113694**

Dear Mr. Tollstrup:

The Air Pollution Control Officer has modified the Title V permit for Chevron USA, Inc. in the Cymric Oil Field, within the Section 31, Township 24S, Range 17E incorporating S-1128-934-7. The modification is to delete an annual visible emission testing requirement for a flare.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on 9/22/11. No comments were received following the District's preliminary decision on this project.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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

Sincerely,

David Warner  
Director of Permit Services

DW: DBT/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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34946 Flyover Court  
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Tel: (661) 392-5500 FAX: (661) 392-5585

Bakersfield Californian

**NOTICE OF FINAL DECISION  
FOR THE PROPOSED MODIFICATION OF  
FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to modify the Federally Mandated Operating Permit to Chevron USA, Inc. for its heavy oil facility in the Cymric Oil Field, within the Section 31, Township 24S, Range 17E, California.

The District's analysis of the legal and factual basis for this proposed action, project #1113694, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. For additional information regarding this matter, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1128-934-7

EXPIRATION DATE: 02/29/2016

SECTION: 31 TOWNSHIP: 29S RANGE: 22E

**EQUIPMENT DESCRIPTION:**

4.98 MMBTU/HR FLARE WITH CONTINUOUS NATURAL GAS PILOT INCINERATING PRODUCED GAS

## PERMIT UNIT REQUIREMENTS

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1. Flares shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [40 CFR 60.18(c)(1)] Federally Enforceable Through Title V Permit
2. Demonstration of compliance with the visible emissions limit of this permit shall be conducted using EPA Method 22. The observation period shall be 2 hours. [40 CFR 60.18(f)(1)] Federally Enforceable Through Title V Permit
3. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
4. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. Flares shall only be used with the net heating value of the gas being combusted being 200 Btu/scf or greater if the flare is non-assisted; or 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)] Federally Enforceable Through Title V Permit
6. 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)] Federally Enforceable Through Title V Permit
7. Nonassisted and steam-assisted flares shall be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), less than 60 ft/sec, except as provided in 40 CFR 60.18 (c)(4)(ii) and (iii). [40 CFR 60.18 (c)(4)(i)] Federally Enforceable Through Title V Permit
8. Nonassisted and steam-assisted flares may be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), equal to or greater than 60 ft/sec, but less than 400 ft/sec if the net heating value of the gas being combusted is greater than 1,000 Btu/scf. [40 CFR 60.18 (c)(4)(ii)] Federally Enforceable Through Title V Permit
9. Nonassisted and steam-assisted flares may be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), less than the velocity,  $V_{max}$ , as determined by the equation specified in paragraph 40 CFR 60.18 (f)(5), and less than 400 ft/sec. [40 CFR 60.18 (c)(4)(iii)] Federally Enforceable Through Title V Permit
10. 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)] Federally Enforceable Through Title V Permit
11. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [40 CFR 60.18 (c)(2), 60.18 (e), and 60.18 (f)(2)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. If flare is not operating, gas shall not be vented to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Gas flow rate to flare, except pilot fuel, shall not exceed 140,400 dscf per day. [District NSR Rule]
14. Gas flow rate to flare, except pilot fuel, shall not exceed 2,500,800 dscf per year. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Pilot fuel gas flow rate shall not exceed 7,200 dscf per day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Concentration of sulfur (as H<sub>2</sub>S) in gas flared shall not exceed 30,000 ppmv. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Permittee shall determine the moisture content of flared gas during an actual flaring episode at least once each calendar quarter in which a flare episode occurs. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Permittee shall determine sulfur content of gas flared at least once per year using ASTM method D3246 or double GC for H<sub>2</sub>S and mercaptans. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Emissions from flared gas shall not exceed any of the following (based on total gas combusted): PM-10: 6.4 lb/mmscf; NO<sub>x</sub> (as NO<sub>2</sub>): 54.4 lb/mmscf; VOC: 50.4 lb/mmscf; or CO: 296.0 lb/mmscf. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Emission rate from pilot gas shall not exceed any of the following: NO<sub>x</sub> (as NO<sub>2</sub>) - 68.0 lb/MMscf, VOC - 63.0 lb/MMscf, CO - 370.0 lb/MMscf, PM10 - 8.0 lb/MMscf, or SO<sub>x</sub> - 2.85 lb/MMscf. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily and annual records of pilot fuel gas flow volumes, daily and annual records of wet & calculated dry flared gas flow volumes, quarterly records of flared gas moisture content, and annual records of flared gas sulfur content. Records shall be kept for at least five years and shall be made readily available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.