



SEP 22 2011

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

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

Dear Mr. Donchin:

Enclosed for you to review is the District's analysis of an application for significant Title V permit modification for the facility identified above. Chevron USA, Inc. is proposing a Title V significant permit modification to Permit to Operate S-1128-934-76 into the Title V operating permit (see enclosures). The modification is to delete an annual visible emission testing requirement for a flare.

Enclosed is the engineering evaluation including the current Title V permit, modified Title V permit, and application. The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive 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

Enclosures

DW: DT/cm

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



SEP 22 2011

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

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

Dear Mr. Rios:

Enclosed for you to review is the District's analysis of an application for significant Title V permit modification for the facility identified above. Chevron USA, Inc. is proposing a Title V significant permit modification to Permit to Operate S-1128-934-76 into the Title V operating permit (see enclosures). The modification is to delete an annual visible emission testing requirement for a flare.

Enclosed is the engineering evaluation including the current Title V permit, modified Title V permit, and application. The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive 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

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SEP 22 2011

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

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

Dear Mr. Tollstrup:

Enclosed for you to review is the District's analysis of an application for significant Title V permit modification for the facility identified above. Chevron USA, Inc. is proposing a Title V significant permit modification to Permit to Operate S-1128-934-76 into the Title V operating permit (see enclosures). The modification is to delete an annual visible emission testing requirement for a flare.

Enclosed is the engineering evaluation including the current Title V permit, modified Title V permit, and application. The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive 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

Enclosures

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Bakersfield Californian

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed modification of 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 modification is to delete an annual visible emission testing requirement for a flare.

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 and the District office at the address below. This will be the public's only opportunity to comment on the specific conditions of the modification. If requested by the public, the District will hold a public hearing regarding issuance of this modification. For additional information, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500. Written comments on the proposed initial permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308.

Application Review Oil Production

Facility Name: Chevron USA Inc.
Mailing Address: PO Box 1392
Bakersfield, CA 93302

Engineer: David Torii
Lead Engineer: Rich Karrs

Contact Person: Jason Donchin
Telephone: 661-654-7144
Fax: 661-654-7004

Application #(s): S-1128-934-7
Project #: 1113694
Deemed Complete: 8/12/11

I. Proposal

Chevron USA (CSUA) requests that the Permit to Operate for flare '934 be modified to delete the annual compliance demonstration for visible emissions using EPA Method 22. The permit condition that specifies the annual visible emissions testing requirement by the operator will be modified as shown:

- {650} 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)] Y

This is a Title V Significant Modification.

II. Project Location

The equipment is located in CUSA's Heavy Oil Western stationary source in the Cymric Oil Field, within the Section 31, Township 24S, Range 17E. The equipment is not located within 1,000 feet of the outer boundary of a K-12 school. Therefore, the public notification requirement of California Health and Safety Code 42301.6 is not applicable to this project.

III. Description and Justification for Proposed Modifications

An annual visible emissions demonstration using EPA Method 22 is not required by the operator under 40 CFR 60.18. EPA Method 22 is specified as the required method for determining compliance should the District or EPA require the operator conduct testing or should the District itself conduct a visible emissions test to enforce compliance with the NSPS visible emissions standard.

From a review of the compliance inspection history of the subject flare, visible emissions exceeding 0% opacity for more than 5 minutes in a two hour period have not been observed.

Currently, inspection of the flare for visible emissions is required by the operator at least once every two weeks, with any corrective action (or a Method 9 performance test) required within two weeks. In addition to the Federal NSPS emissions standard, the District will continue enforcing the requirements of District Rule 4101, Visible Emissions.

Based on the above discussion, the District has determined that an annual visible emissions demonstration by the operator pursuant to EPA Method 22 is not warranted and will delete the requirement for such demonstration as requested by Chevron.

IV. Equipment Listing

S-1128-934-7: MODIFICATION OF 4.98 MMBTU/HR FLARE WITH CONTINUOUS NATURAL GAS PILOT INCINERATING PRODUCED GAS: DELETE NSPS VISIBLE EMISSION TESTING REQUIREMENT

V. Emission Control Technology Evaluation

There are no emission units specifically affected by this project. Therefore, an emission control technology evaluation is not required.

VI. General Calculations

This project will not alter the emissions from the stationary source. As such, emission calculations following Rule 2201 do not need to be performed.

VII. Compliance

District Rule 2520, Section 6.0 describes the source's ability to make changes including significant permit modification. This modification does not meet the minor permit modification criteria pursuant to Section 3.20 described as follows.

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and

5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

The proposed modification relaxes monitoring and is therefore a Significant Modification.

IX. Recommendation

Issue Permit S-1128-934-7 subject to the permit conditions on the attached draft.

**Appendix A
Existing PTO**

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1128-934-6

EXPIRATION DATE: 02/28/2006

SECTION: 31 TOWNSHIP: 29S RANGE: 22E

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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 at least annually, 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 H₂S) 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 H₂S 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_x (as NO₂): 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_x (as NO₂) - 68.0 lb/MMscf, VOC - 63.0 lb/MMscf, CO - 370.0 lb/MMscf, PM₁₀ - 8.0 lb/MMscf, or SO_x - 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.

Appendix B Application



Jason Donchin
Health, Environment, and
Safety Manager

San Joaquin Valley SBU
Chevron North America
Exploration and Production
P.O. Box 1392
Bakersfield, CA 93302

RECEIVED

AUG - 2 2011
SJVAPCD
Southern Region

HAND-DELIVERED
Via Southern Region

August 1, 2011

Mr. James Swaney
Permit Services Manager
San Joaquin Valley Air Pollution Control District
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244

RE: Title V Administrative Amendment – PTO S-1128-934-⁶
Cymric Oilfield, Heavy Oil Western Stationary Source

Dear Mr. Swaney:

Chevron U.S.A. Inc. (CUSA) is requesting that Permit to Operate S-1128-934-⁶ be administratively amended to remove the annual requirement for visual emissions monitoring from Condition # 2. This condition is based on 40 CFR 60.18(f)(1), which does not specify any frequency for performing such testing. Therefore, Chevron requests that this condition be modified to read as follows:

Demonstration of compliance with the visible emissions limit of this permit shall be conducted in accordance with EPA Method 22. The observation period shall be 2 hours.

Attached are the following forms and documents:

- Application for Title V Modification (TVFORM-008)
- Title V Compliance Certification (TVFORM-009)
- Copy of the referenced PTO

Please process the attached application to modify the subject Permit to Operate.

If you have any questions or require additional information, please contact Dave Bone of my staff at (661) 654-7150.

Sincerely,

Jason Donchin

Attachments

ATTACHMENT A

TITLE V ADMINISTRATIVE AMENDMENT APPLICATION

San Joaquin Valley Air Pollution Control District

www.valleyair.org

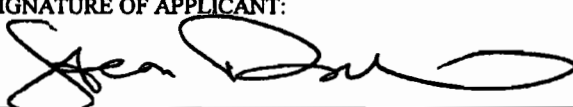
RECEIVED

AUG - 2 2011

SJVAPCD
Southern Region

Permit Application For:

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: Chevron U.S.A. Inc. (CUSA)		
2. MAILING ADDRESS:		
STREET/P.O. BOX: PO Box 1392		
CITY: Bakersfield	STATE: CA	9-DIGIT ZIP CODE: 93302
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:		INSTALLATION DATE:
STREET: Heavy Oil Western Source - Cymric CITY: _____		3rd Quarter 2011
_____ 1/4 SECTION 31 TOWNSHIP 24S RANGE 17E		
4. GENERAL NATURE OF BUSINESS: Oil and gas production		
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary)		
Administratively modify PTOS-1128-934-6 to delete annual frequency for visual emissions testing in accordance with CFR 40.60.18(f)(1).		
6. TYPE OR PRINT NAME OF APPLICANT:		TITLE OF APPLICANT:
Jason Donchin		SJVBU HES Manager
7. SIGNATURE OF APPLICANT:	DATE:	PHONE: (661) 654-7144
	8/1/2011	FAX: (661) 654-7004
		EMAIL: john.gruber@chevron.com

For APCD Use Only: **No \$**

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____ DATE PAID: _____ PROJECT NO: S-1113694 FACILITY ID: S-1128
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ATL

ATTACHMENT B
TITLE V CERTIFICATION

RECEIVED
AUG - 2 2011
SJVAPCD
Southern Region

San Joaquin Valley
Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

COMPANY NAME: Chevron U.S.A. Inc. (CUSA)	FACILITY ID: S-1128
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Chevron U.S.A. Inc. (CUSA)	
3. Agent to the Owner: N/A	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:



Signature of Responsible Official

Jason Donchin

Name of Responsible Official (please print)

SJVBU HES Manager

Title of Responsible Official (please print)

August 1, 2011

Date

Adm. Amend PRO 939-6
~~Implement APC S-1128-11250~~

ATTACHMENT C

COPY OF REFERENCED ATC

San Joaquin Valley
Air Pollution Control District



PERMIT UNIT: S-1128-934-6

EXPIRATION DATE: 02/28/2006

SECTION: 31 TOWNSHIP: 29S RANGE: 22E

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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 at least annually, 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 H₂S) 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 D3245 or double GC for H₂S 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/mm scf; NO_x (as NO₂): 54.4 lb/mm scf; VOC: 50.4 lb/mm scf; or CO: 296.0 lb/mm scf. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Emission rate from pilot gas shall not exceed any of the following: NO_x (as NO₂) - 68.0 lb/MM scf, VOC - 63.0 lb/MM scf, CO - 370.0 lb/MM scf, PM10 - 8.0 lb/MM scf, or SO_x - 2.85 lb/MM scf. [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.

Appendix C
Draft PTO

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1128-934-7

EXPIRATION DATE: 02/28/2006

SECTION: 31 TOWNSHIP: 29S RANGE: 22E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 4.98 MMBTU/HR FLARE WITH CONTINUOUS NATURAL GAS PILOT INCINERATING PRODUCED GAS: DELETE NSPS VISIBLE EMISSION TESTING REQUIREMENT

PERMIT UNIT REQUIREMENTS

1. {649} 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. {652} 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. {654} 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. {657} 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. {658} 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. {659} 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. {660} 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. {661} 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
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 H₂S) 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 H₂S 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_x (as NO₂): 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_x (as NO₂) - 68.0 lb/MMscf, VOC - 63.0 lb/MMscf, CO - 370.0 lb/MMscf, PM₁₀ - 8.0 lb/MMscf, or SO_x - 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

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