



APR 23 2012

Timothy Zander  
Chevron Pipe Line Company  
9525 Camino Media (E Wing)  
Bakersfield, CA 93311

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-306  
Project # C-1110666**

Dear Mr. Zander:

Enclosed for your review and comment is the District's analysis of Chevron's Kettleman Pump Station application for the Federally Mandated Operating Permit for its pipeline pump station near Kettleman City, California.

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 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

cc: Sandra Lowe-Leseth, Permit Services Engineer

Attachments

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



APR 23 2012

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-306  
Project # C-1110666**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of Chevron's Kettleman Pump Station application for the Federally Mandated Operating Permit for its pipeline pump station near Kettleman City, California.

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 which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

cc: Sandra Lowe-Leseth, Permit Services Engineer

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**APR 23 2012**

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

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-306  
Project # C-1110666**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of Chevron's Kettleman Pump Station application for the Federally Mandated Operating Permit for its pipeline pump station near Kettleman City, California.

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 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

cc: Sandra Lowe-Leseth, Permit Services Engineer

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Fresno Bee

**NOTICE OF PRELIMINARY DECISION  
FOR THE PROPOSED ISSUANCE OF  
FEDERALLY MANDATED OPERATING PERMITS**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed issuance of the Federally Mandated Operating permits to Chevron Pipe Line Company for its pipeline pump station near Kettleman City, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1110666, 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. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested by the public, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. 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, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

# **SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT**

**Chevron Pipeline Company  
Facility #C-306**

## **PROPOSED ENGINEERING EVALUATION**

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# TITLE V APPLICATION REVIEW

Project #: C-1110666  
Deemed Complete: April 11, 2011

Engineer: Sandra Lowe-Leseth  
Date: December 8, 2011

Facility Number: C-306  
Facility Name: Chevron Pipe Line Company  
Mailing Address: 9525 Camino Media (E Wing)  
Bakersfield, CA 93311

Contact Name: Timothy Zander  
Phone: (661) 654-7162

Responsible Official: Eric May  
Title: California Assets Vice President

## I. PROPOSAL

Chevron Pipe Line Company is proposing that an initial Title V permit be issued for its existing pump station in Kettleman City, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

## II. FACILITY LOCATION

Chevron Pipe Line Company's pump station is located near the intersection of Interstate 5 and State Route 41 in Kettleman City, CA.

## III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is shown in Attachment A.

A summary of the exempt equipment categories which describe the insignificant activities or equipment at the facility not requiring a permit is shown in Attachment B. This equipment is not exempt from facility-wide requirements.

## IV. GENERAL PERMIT TEMPLATE USAGE

The applicant has requested to utilize template #SJV-UM-0-3, Facility-wide Umbrella General Permit Template for unit C-306-0-1. Based on the information submitted on the Template Qualification Form, the applicant qualifies for the use of this template.

## V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed Operating Permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review:

- Conditions 1 through 40 on C-306-0-2

## VI. APPLICABLE REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1100, Equipment Breakdown (amended December 17, 1992) (Non-SIP replacement for Kern County Rule 111)

District Rule 1160, Emission Statements (adopted November 18, 1992)

District Rule 2010, Permits Required (amended December 17, 1992)

District Rule 2020, Exemptions (amended August 18, 2011). The amendments made to this rule on August 18, 2011 have no impact to this source; therefore template SJV-UM-0-3 is still valid for this project.

District Rule 2031, Transfer of Permits (amended December 17, 1992)

District Rule 2040, Applications (amended December 17, 1992)

District Rule 2070, Standards for Granting Applications (amended December 17, 1992)

District Rule 2080, Conditional Approval (amended December 17, 1992)

District Rule 2520, Federally Mandated Operating Permits Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16 and 10.0 (amended June 21, 2001)

District Rule 4101, Visible Emissions (amended February 17, 2005)

District Rule 4601, Architectural Coatings (amended December 17, 2009)

District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)

District Rule 8031, Bulk Materials (amended August 19, 2004)

District Rule 8041, Carryout and Trackout (amended August 19, 2004)

District Rule 8051, Open Areas (amended August 19, 2004)

District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)

District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended  
September 16, 2004)

40 CFR Part 82, Subpart B and F, Stratospheric Ozone

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

## **VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES**

District Rule 2201, New and Modified Stationary Source Review Rule (amended  
April 21, 2011)

District Rule 2520, Federally Mandated Operating Permits (amended June 21,  
2001)

District Rule 4623, Storage of Organic Liquids (amended May 19, 2005)

District Rule 4624, Transfer of Organic Liquid (amended December 20, 2007)

## **VIII. EVALUATION OF POTENTIALLY-APPLICABLE REQUIREMENTS**

In preparing this evaluation, there were several regulations that could have affected this stationary source. The applicability of these regulations were assessed and found to not apply to the facility's operation. The purpose of this section is to explain why these regulations were found to not apply in the specific circumstances of this stationary source.

*40 CFR 60 Subpart K—Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978*

*40 CFR 60 Subpart Ka—Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984*

*40 CFR 60 Subpart Kb—Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984*

These portions of the CFR apply to storage vessels that were built or modified in 1973 or later. The facility's storage vessels were built prior to 1940 and have not been reconstructed or modified since that time. For this reason, these sections of the CFR do not apply to the tanks at this facility.

*40 CFR 63 Subpart EEEE—National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)*

Overall, 40 CFR 63 relates to hazardous air pollutants (HAPs). Subpart EEEE applies to facilities that are major sources of HAPs. Since the facility is not a major source for HAPs, the provisions of this subpart do not apply to the operations at this facility.

## **IX. REQUIREMENTS NOT FEDERALLY ENFORCEABLE**

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits. The terms and conditions that are part of the facility's Title V permit are designated as Federally Enforceable through Title V Permit.

This facility is subject to District Rule 4102 (Nuisance) that is not currently federally enforceable. For this facility, Condition 41 of the requirements for the facility-wide permit C-306-0-1 is based District Rule 4102 and the condition is not Federally Enforceable through Title V.

## **X. COMPLIANCE**

### **A. Requirements Addressed by Model General Permit Templates**

The applicant is proposing to use a general permit template to address federally applicable facility-wide requirements. Section IV of template SJV-UM-0-3 includes a demonstration of compliance for all applicable requirements. Template conditions have been added to the facility wide requirements (draft PTO C-306-0-1) as condition numbers 1 through 40 to assure compliance with these requirements.

Because the facility-wide permit addresses District Rule 4101, Condition 2 on PTO C-306-9-3 will be removed from the permit unit requirements.

### **B. Requirements Not Addressed by Model General Permit Templates**

#### **1. District Rule 2201, New and Modified Stationary Source Review Rule (District NSR Rule)**

##### **a. 134,000-barrel Crude Oil Storage Tank (C-306-1-3)**

Condition 1 of the PTO contains a throughput limitation. The purpose of the limit was to keep the facility from becoming a major source, as discussed in Project C-1034909. The District's definition of major source for VOCs at that time was a facility with the potential to emit greater than 50,000 pounds annually. The District's definition of major source for VOCs has been reduced from 50,000 pounds per year to

20,000 pounds per year. The throughput limitation will be removed from the permit unit, since the reason for the limitation no longer exists.

b. 52,700-barrel Crude Oil Storage Tank (C-306-3-2)

Condition 1 of the PTO contains a throughput limitation. The purpose of the limit was to keep the facility from becoming a major source, as discussed in Project C-1034909. The District's definition of major source for VOCs at that time was a facility with the potential to emit greater than 50,000 pounds annually. The District's definition of major source for VOCs has been reduced from 50,000 pounds per year to 20,000 pounds per year. The throughput limitation will be removed from the permit unit, since the reason for the limitation no longer exists.

c. Unloading Racks (C-306-9-5)

Permit unit C-306-9-4 (two unloading racks) was subject to the District NSR Rule upon application for Authority to Construct (ATC). The current PTO lists Conditions 3, 4, 5, and 14 as being part of the NSR rule. In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting Permit to Operate (PTO) were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- Conditions 3, 4, 5, and 14 of the PTO are included as Conditions 4, 8, 10, and 13, respectively, of the requirements for this permit unit.

## 2. District Rule 2520, Federally Mandated Operating Permits

The purpose of this rule is to provide an administrative mechanism for issuing operating permits for new and modified sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for issuing renewed operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for revising, reopening, revoking, and terminating operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for incorporating requirements authorized by preconstruction permits issued under District Rule 2201 (New and Modified Stationary Source Review) in a Part 70 permit as administrative amendments, provided that such permits meet procedural requirements substantially equivalent to the requirements of 40 CFR 70.7 and 70.8, and compliance requirements substantially equivalent to those contained in 40 CFR 70.6; and the applicable federal and local requirements to appear on a single permit.

Section 5.3.2 requires that the permittee file an application for a permit modification prior to implementing the requested change. This also applies to sources not previously subject to the requirements of this rule that become subject to the requirements due to a minor or significant modification.

- The applicant has filed the application for the change in status from not subject to Part 70 to subject to Part 70 as evidenced by this evaluation.

In Section 9.3.2, where applicable requirements do not require periodic testing or instrumental or non-instrumental monitoring, periodic monitoring to yield reliable data for the relevant time period that are representative of the source's compliance with the permit.

134,000-barrel Crude Oil Storage Tank (C-306-1-3)

District Rule 4623 requires that certain components be maintained in a leak-free condition, but does not provide for periodic monitoring of the components. Condition 16 will be added to the draft Title V permit to ensure annual monitoring of components.

52,700-barrel Crude Oil Storage Tank (C-306-3-2)

District Rule 4623 requires that certain components be maintained in a leak-free condition, but does not provide for periodic monitoring of the components. Condition 16 will be added to the draft Title V permit to ensure annual monitoring of components.

Section 9.4.2 requires that all required monitoring data and support information be retained for a period of at least 5 years from the date of monitoring sample, measurement, or report.

134,000-barrel Crude Oil Storage Tank (C-306-1-3)

Condition 33 of the PTO complies with the provisions of this section of the rule. The draft Title V permit will include this requirement as Condition 36.

52,700-barrel Crude Oil Storage Tank (C-306-3-2)

Condition 33 of the PTO complies with the provisions of this section of the rule. The draft Title V permit will include this requirement as Condition 36.

## Unloading Racks (C-306-9-4)

The current PTO Condition 17 complies with this requirement. The draft Title V permit will require this as Condition 16.

### **Mandatory Greenhouse Gas Reporting**

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

### **3. District Rule 4623, Storage of Organic Liquids**

This rule applies to any tank with a capacity of 1,100 gallons or greater in which any organic liquid is placed, held, or stored, pursuant to Section 2.0, Applicability. Operators with tanks subject to control requirements are required to control emissions from the stored liquid through installing a pressure-vacuum relief valve, or an internal floating roof, or an external floating roof, or vent the tank to either a vapor recovery system, or a pressure vessel. The options available to the operator depend on the size of the tank and the vapor pressure of the stored organic liquid. The applicant has elected to install an external floating roof as the control technique for the facility's two crude oil storage tanks.

134,000-barrel Crude Oil Storage Tank (C-306-1-3) and 52,700-barrel Crude Oil Storage Tank (C-306-3-2)

- The permit unit will have a condition added to the permit that the true vapor pressure (TVP) of the liquid stored in the tank must be less than 11 pounds per square inch, absolute (psia). Section 5.1 allows the use of an external floating roof tank as an emission control technique when the true vapor pressure (TVP) of the liquid stored in the tank is less than 11 psia. This requirement will be included as Condition 1 in the draft Title V permit.
- In conjunction with adding a true vapor pressure maximum, testing of the vapor pressure will also be added to the permit. It will be added as Condition 35 in the draft Title V permit.
- Conditions 2 through 15 were included as Conditions 2 through 15 of the draft Title V permit. Conditions 17 through 32 of the current PTO were included and Conditions 19 through 34 of the requirements for this permit unit. These permit conditions comply with the requirements of this rule.
- The current PTO has a condition that defines the term "gas-tight." When Rule 4623 was amended in 2005, the term "gas-tight" was replaced with the term "leak-free." Leak-free means a condition without a gaseous leak or a liquid leak. PTO Condition 15 will have

the term “gas-tight” replaced with the term “leak-free.” The revised condition will be included as Condition 15 draft Title V permit.

- The draft Title V permit will include a requirement to inspect certain tank components annually. This condition makes explicit the rule requirement to have leak-free components. This provision will be included as Condition 16 on the draft Title V permit.
- Current PTO Condition 16 will be divided into two separate conditions. The first part will define the terms leak-free, gas leak and liquid leak. The second part of the current PTO condition will be restated as a separate condition - the requirement that a gas leak greater than 10,000 ppmv is a violation of the permit and will be reported to the District as a deviation. The two new conditions will be included in the draft Title V permit as Condition 17 and Condition 18.
- Current PTO Conditions 17 through 21 will be included on the permit unit as Conditions 19 through 23 in the draft Title V permit.
- Current PTO Condition 22 will be modified to replace the term “gas-tight” with the term “leak-free.” The revised condition will be included as Condition 24 in the draft Title V permit.
- Current PTO Condition 23 through 32 will be included as Conditions 25 through 34 in the draft Title V permit.
- Condition 35 will be added to the permit. This condition requires the permittee to test TVP whenever there is a change in the source or type of organic liquid stored in the tank. This requirement is the verification of Condition 1 of the draft Title V permit.
- A permit shield from Rule 4623 (as amended May 19, 2011) requirements will be included in the permit unit requirements. All of the provisions of this rule have been included as permit conditions for the permit unit. The permit shield is included as Condition 37 on the draft Title V permit.

#### **4. District Rule 4624 Transfer of Organic Liquid**

The purpose of this rule is to limit VOC emissions from the transfer of organic liquids.

Class 1 organic liquid transfer operations are defined as any location transferring 20,000 gallons or more on any one day of organic liquids with a TVP of 1.5 psia or greater to or from tank trucks, trailers, or railroad tank cars. A Class 2 organic liquid transfer operation is any location transferring 4,000 gallons or more but less than 20,000 gallons on any one day of organic liquids with a TVP of 1.5 psia or greater to or from tank trucks, trailers, or railroad tank cars. Since the storage tanks at this facility are large (storage capacity of each tank is greater than 2 million gallons), it is expected that the unloading racks are part of a Class 1 organic liquid transfer operation.

In District Rule 4624, emissions from the transfer operation at Class 1 facilities are limited to not more than 0.08 pounds per 1,000 gallons of organic liquid transferred. Additionally, the organic liquid storage tank associated with the transfer rack must comply with the requirements of District Rule 4623, as outlined Section X.B.4 above. The organic liquid transfer operation must have a leak-detection-and-repair program. The leak-detection-and-repair program is already specified in the current PTO; however, the current PTO does not specifically incorporate the emission limit. A condition will be added to specifically address this rule requirement in the draft Title V permit.

#### Unloading Racks (C-306-9-4)

- Conditions 6, Conditions 8 through 13, and Conditions 15 through 17 of the current PTO will be incorporated into the draft Title V permit.
- Condition 7 of the current PTO will be modified to incorporate a lower leak definition. The current PTO defines a gas leak as 10,000 ppmv or greater. The draft Title V permit will utilize a definition of 1,000 ppmv or greater as a leak and will have this as Condition 2 on the permit.
- A condition will be included in the draft Title V permit to limit emissions during organic liquid transfer to 0.08 pound of VOC per 1,000 gallons of organic liquid transferred. This will be placed in the draft Title V permit as Condition 9.

#### **5. 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)**

In Section 40 CFR 64.2 (Applicability), there are three criteria that units must meet in order to be subject to CAM. The criteria are:

- 1) the unit must have an emission limit for the pollutant;
- 2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- 3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

The storage tanks have floating roofs, and floating roofs constitute passive emission control systems. Since the emission control system is passive, CAM does not apply to the tanks. The unloading racks do not have add-on VOC control systems; therefore, CAM does not apply in this case.

## **XI. PERMIT SHIELD**

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Operating Permit is

considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

#### **A. Requirements Addressed by Model General Permit Templates**

By using the model general permit template listed in Section IV of this evaluation, the applicant has requested that a permit shield be issued for requirements addressed in the template. The basis for each permit shield is discussed in the Permit Shield section of the template. The permit shields are included in the facility-wide permit C-306-0-1 as Conditions 39 and 40.

#### **B. Requirements Not Addressed by Model General Permit Templates**

##### **District Rule 4623**

The applicant has requested a permit shield from this rule. The request has been incorporated as Condition 37 on the draft Title V permits for units C-306-1 and C-306-3.

##### **40 CFR 60 Subparts K, Ka, and Kb**

The applicant has requested a permit shield from these federal standards. District staff has determined that these subparts do not apply to the tanks at this facility. The applicant's request has been added as Condition 38 of the draft Title V permits for units C-306-1 and C-306-3.

## **XII. PERMIT CONDITIONS**

A list of insignificant activities is included in Attachment B. The facility's current permits are included in Appendix C and the proposed permits are included in Appendix D.

# Attachment A

## Detailed Facility Printout

**Detailed Facility Report**  
For Facility=306 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

CHEVRON PIPELINE CO-TANK FARM INTERSTATE-5 & HIGHWAY 41 KETTLEMAN CITY, CA 93239	FAC # STATUS TELEPHONE	C 306 A 6617632203	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	11/30/2012 5/ 08/12
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-306-1-2	5,628,000 gal storage	3020-05 G	1	382.00	382.00	A	ONE 134,000 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH A SPRING-TYPE FLEX-A-SEAL PRIMARY SEAL AND AN INSUGER WIPER TYPE SECONDARY SEAL WITH A 16 GAUGE GALVANIZED CONTINUOUS WEATHER-STRIP (TANK ID #232)
C-306-3-1	2,214,240 gal storage	3020-05 G	1	382.00	382.00	A	ONE 52,720 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH AN INSULATED FLOATING PAN-TYPE ROOF WITH A FOAM AND FINGER MULTI-LAYERED WIPER ASSEMBLY ON BOTH PRIMARY AND SECONDARY SEALS (TANK ID #226)
C-306-9-3	60 electric motor horsepower	3020-01 C	1	197.00	197.00	A	ORGANIC LIQUID (CRUDE OIL) UNLOADING OPERATION CONSISTING OF TWO UNLOADING RACKS (RACK #1 AND RACK #2)

Number of Facilities Reported: 1

## Attachment B

### Insignificant Activities or Equipment

**San Joaquin Valley  
Unified Air Pollution Control District  
Title V Application - INSIGNIFICANT ACTIVITIES**

COMPANY NAME: **Chevron Pipe Line Company**

FACILITY ID: **C - 306**

Check the box next to the exemption category from Rule 2020 which describes any insignificant activity or equipment at your facility not requiring a permit.

Exemption Category	Rule 2020 Citation	✓	Exemption Category	Rule 2020 Citation	✓
Structure or incinerator assoc. with a structure designed as a dwelling for 4 families or less	4.1	✓	Containers used to store refined lubricating oils	6.6.8	✓
Locomotives, airplanes, and watercraft used to transport passengers or freight	4.4	✓	Unvented pressure vessels used exclusively to store liquified gases or assoc with exempt equipment	6.6.9 or 6.13	✓
Natural gas or LPG-fired boilers or other indirect heat transfer units of 5 MMBtu/hr or less	6.1.1	✓	Portable tanks used exclusively to store produced fluids for ≤ six months	6.6.10	✓
Piston-type i.c.engine with maximum continuous rating of 50 braking horsepower (bhp) or less	6.1.2	✓	Mobile transport tanks on delivery vehicles of VOCs	6.6.11	✓
Gas turbine engines with maximum heat input rating of 3 MMBtu/hr or less	6.1.3	✓	Loading racks used for the transfer of less than 4,000 gal/day of unheated organic material with initial boiling point ≥ 302 F or of fuel oil with specific gravity ≥ 0.8251	6.7.1.1	✓
Space heating equipment other than boilers	6.1.4	✓	Loading racks used for the transfer of asphalt, crude or residual oil stored in exempt tanks, or crude oil with specific gravity ≥ 0.8762	6.7.1.2	✓
Cooling towers with a circulation rate less than 10,000 gal/min, and that are not used for cooling of process water, water from barometric jets or condensers++	6.2	✓	Equipment used exclusively for the transfer of refined lubricating oil	6.7.2	✓
Use of less than 2 gal/day of graphic arts materials	6.3	✓	Equipment used to apply architectural coatings	6.8.1	✓
Equipment at retail establishments used to prepare food for human consumption	6.4.1	✓	Unheated, non-conveyORIZED cleaning equipment with < 10 ft <sup>2</sup> open area; using solvents with initial boiling point ≥ 248 F; and < 25 gal/yr. evaporative losses	6.9	✓
Ovens at bakeries with total daily production less than 1,000 pounds and exempt by sec. 6.1.1	6.4.3	✓	Brazing, soldering, or welding equipment	6.10	✓
Equipment used exclusively for extruding or compression molding of rubber or plastics, where no plastisizer or blowing agent is used	6.5	✓	Equipment used to compress natural gas	6.11	✓
Containers used to store clean produced water	6.6.1	✓	Fugitive emissions sources assoc. with exempt equipment	6.12	✓
Containers ≤ 100 bbl used to store oil with specific gravity ≥ 0.8762	6.6.2	✓	Pits and Ponds as defined in Rule 1020	6.15	✓
Containers ≤ 100 bbl installed prior to 6/1/89 used to store oil with specific gravity ≥ 0.8762	6.6.3	✓	On-site roadmix manufacturing and the application of roadmix as a road base material	6.17	✓
Containers with a capacity ≤ 250 gallons used to store organic material where the actual storage temperature < 150 F	6.6.4	✓	Emissions less than 2 lb/day from units not included above	6.19	✓
Containers used to store unheated organic material with an initial boiling point ≥ 302 F	6.6.5	✓	Venting PUC quality natural gas from for sole purpose of pipeline and compressor repair and or maintenance	7.2	✓
Containers used to store fuel oils or non-air-blown asphalt with specific gravity ≥ 0.9042	6.6.6	✓	Non-structural repairs & maintenance to permitted equipment	7.3	✓
Containers used to store petroleum distillates used as motor fuel with specific gravity ≥ 0.8251	6.6.7	✓	Detonation of explosives ≤ 100 lb/day and 1,000 lb/year	7.4	✓

No insignificant activities (Check this box if no equipment in the above categories exist at your facility.)

# Attachment C

## SJVUAPCD Current Permits

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-306-1-2

EXPIRATION DATE: 11/30/2012

## EQUIPMENT DESCRIPTION:

ONE 134,000 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH A SPRING-TYPE FLEX-A-SEAL PRIMARY SEAL AND AN INSUGER WIPER TYPE SECONDARY SEAL WITH A 16 GAUGE GALVANIZED CONTINUOUS WEATHER-STRIP (TANK ID #232)

## PERMIT UNIT REQUIREMENTS

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1. Crude oil throughput shall not exceed 150,000 barrels per day based on a monthly average. [District Rule 4623]
2. This tank shall be equipped with a closure device between the tank shell and roof edge consisting of two seals mounted one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred as the secondary seal. [District Rule 4623]
3. The external floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs. [District Rule 4623]
4. Gaps between the tank shell and the primary seal shall not exceed 2 1/2 inches. [District Rule 4623]
5. The cumulative length of all primary seal gaps greater than 1 1/2 inches shall not exceed 10% of the circumference of the tank. [District Rule 4623]
6. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623]
7. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623]
8. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623]
9. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623]
10. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 24 inches above the stored liquid surface. [District Rule 4623]
11. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 5 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623]
12. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623]
13. The secondary seal shall allow easy insertion of probes up to 2 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623]
15. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623]
16. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623]
17. Except for automatic bleeder vents, rim vents, and pressure relief vents, each opening in a non-contact external floating roof shall provide a projection below the liquid surface. [District Rule 4623]
18. Except for automatic bleeder vents and rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times (i.e., no visible gap) except when in actual use. [District Rule 4623]
19. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. [District Rule 4623]
20. Rim vents shall be equipped with a gasket and shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. [District Rule 4623]
21. Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tanks. [District Rule 4623]
22. External floating roof legs shall be equipped with vapor socks or vapor barriers in order to maintain a gas-tight condition so as to prevent VOC emissions from escaping through the roof leg opening. [District Rule 4623]
23. All wells and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623]
24. The solid guidepole well shall be equipped with a pole wiper and a gasketed cover, seal or lid which shall be in a closed position at all times (i.e., no visible gap) except when the well is in use. [District Rule 4623]
25. The gap between the pole wiper and the solid guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/2 inch. [District Rule 4623]
26. The slotted guidepole well on a external floating roof shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed 1/8 inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface. [District Rule 4623]
27. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/8 inch. [District Rule 4623]
28. The permittee of external floating roof tanks shall make the primary seal envelope available for unobstructed inspection by the APCO on an annual basis at locations selected along its circumference at random by the APCO. In the case of riveted tanks with toroid-type seals, a minimum of eight locations shall be made available; in all other cases, a minimum of four locations shall be made available. If the APCO suspects a violation may exist the APCO may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference. [District Rule 4623]
29. The permittee shall inspect all floating tanks at least once every 12 months to determine compliance with the requirements of this rule. The actual gap measurements of the floating roof primary and secondary seals shall be recorded. The inspection results shall be submitted to the APCO as specified in Section 6.3.5. [District Rule 4623]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. The permittee shall inspect the primary and secondary seals for compliance with the requirements of this rule every time a tank is emptied or degassed. Actual gap measurements shall be performed when the liquid level is static but not more than 24 hours after the tank roof is re-floated. [District Rule 4623]
31. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of Rule 4623. [District Rule 4623]
32. Permittee shall maintain the records of the external floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623]
33. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-306-3-1

**EXPIRATION DATE:** 11/30/2012

**EQUIPMENT DESCRIPTION:**

ONE 52,720 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH AN INSULATED FLOATING PAN-TYPE ROOF WITH A FOAM AND FINGER MULTI-LAYERED WIPER ASSEMBLY ON BOTH PRIMARY AND SECONDARY SEALS (TANK ID #226)

## PERMIT UNIT REQUIREMENTS

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1. Crude oil throughput shall not exceed 70,000 barrels per day based on a monthly average. [District Rule 4623]
2. This tank shall be equipped with a closure device between the tank shell and roof edge consisting of two seals mounted one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred as the secondary seal. [District Rule 4623]
3. The external floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs. [District Rule 4623]
4. Gaps between the tank shell and the primary seal shall not exceed 2 1/2 inches. [District Rule 4623]
5. The cumulative length of all primary seal gaps greater than 1 1/2 inches shall not exceed 10% of the circumference of the tank. [District Rule 4623]
6. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623]
7. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623]
8. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623]
9. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623]
10. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 24 inches above the stored liquid surface. [District Rule 4623]
11. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 5 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623]
12. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623]
13. The secondary seal shall allow easy insertion of probes up to 2 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623]
15. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623]
16. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623]
17. Except for automatic bleeder vents, rim vents, and pressure relief vents, each opening in a non-contact external floating roof shall provide a projection below the liquid surface. [District Rule 4623]
18. Except for automatic bleeder vents and rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times (i.e., no visible gap) except when in actual use. [District Rule 4623]
19. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. [District Rule 4623]
20. Rim vents shall be equipped with a gasket and shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. [District Rule 4623]
21. Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tanks. [District Rule 4623]
22. External floating roof legs shall be equipped with vapor socks or vapor barriers in order to maintain a gas-tight condition so as to prevent VOC emissions from escaping through the roof leg opening. [District Rule 4623]
23. All wells and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623]
24. The solid guidepole well shall be equipped with a pole wiper and a gasketed cover, seal or lid which shall be in a closed position at all times (i.e., no visible gap) except when the well is in use. [District Rule 4623]
25. The gap between the pole wiper and the solid guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/2 inch. [District Rule 4623]
26. The slotted guidepole well on an external floating roof shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed 1/8 inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface. [District Rule 4623]
27. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/8 inch. [District Rule 4623]
28. The permittee of external floating roof tanks shall make the primary seal envelope available for unobstructed inspection by the APCO on an annual basis at locations selected along its circumference at random by the APCO. In the case of riveted tanks with toroid-type seals, a minimum of eight locations shall be made available; in all other cases, a minimum of four locations shall be made available. If the APCO suspects a violation may exist the APCO may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference. [District Rule 4623]
29. The permittee shall inspect all floating tanks at least once every 12 months to determine compliance with the requirements of this rule. The actual gap measurements of the floating roof primary and secondary seals shall be recorded. The inspection results shall be submitted to the APCO as specified in Section 6.3.5. [District Rule 4623]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. The permittee shall inspect the primary and secondary seals for compliance with the requirements of this rule every time a tank is emptied or degassed. Actual gap measurements shall be performed when the liquid level is static but not more than 24 hours after the tank roof is re-floated. [District Rule 4623]
31. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of Rule 4623. [District Rule 4623]
32. Permittee shall maintain the records of the external floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623]
33. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-306-9-3

**EXPIRATION DATE:** 11/30/2012

**EQUIPMENT DESCRIPTION:**

ORGANIC LIQUID (CRUDE OIL) UNLOADING OPERATION CONSISTING OF TWO UNLOADING RACKS (RACK #1 AND RACK #2)

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Gaseous or vapor emissions with a concentration of VOC greater than 10,000 ppmv above a background as methane and liquid leaks at a rate of more than three (3) drops per minute shall constitute a leak and are violations of this permit. [District Rule 2201]
4. Fugitive VOC emissions from components in gas, light liquid, and light oil service shall not exceed 0.38 lb/day. VOC emissions from disconnects shall not exceed 0.86 lbs/day and there shall be no more than 80 liquid line disconnects per day. [District Rule 2201]
5. Fugitive VOC emissions rate shall be calculated using CAPCOA California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities Table IV-2c, Oil and Gas Production Screening Value Ranges Emission Factors (Feb 1999) from the total number of components in gas, light liquid, and light crude oil service. [District Rule 2201]
6. The unloading equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnection. [District Rule 4624]
7. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of gaseous or vapor emissions with a concentration of VOC greater than 10,000 ppmv above background as methane. [District Rule 4624]
8. Excess liquid drainage shall be defined as exceeding 10 milliliters based on an average from 3 consecutive disconnects. [District Rule 4624]
9. The operator shall inspect each transfer rack handling organic liquids for leaks during transfer at least once every calendar quarter using the test method prescribed in this permit. [District Rule 4624]
10. Permittee may apply for a written approval from the APCO to change the inspection frequency from quarterly to annually provided no leaks are found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection the frequency shall revert back to quarterly and the operator shall contact the APCO in writing within 14 days. [District Rule 4624]
11. Any component that is found to be leaking shall be repaired or replaced within 72 hours. If the leaking component cannot be repaired or replaced within 72 hours, the component shall be taken out of service until such time the component is repaired or replaced. The repaired or replacement equipment shall be reinspected the first time the equipment is in operation after the repair or replacement. [District Rule 4624]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

12. All measurements of gaseous leak concentrations shall be conducted according to EPA Method 21 using an appropriate portable hydrocarbon detection instrument calibrated with methane. The instrument shall be calibrated in accordance with the procedures specified in EPA Method 21 or the manufacturer's instructions not more than 30 days prior to its use. [District Rule 4624]
13. Records shall be maintained of each calibration of the portable hydrocarbon detection instrument utilized for inspecting components. The records shall include a copy of the current calibration gas certification from the vendor of the calibration gas cylinder, the date of calibration, the concentration of calibration gas, the instrument reading of calibration gas before adjustment, the instrument reading of calibration gas after adjustment, the calibration gas expiration date, and the calibration gas cylinder pressure at the time of calibration. [District Rule 4624]
14. Permittee shall maintain records of number and type of components installed and calculated fugitive emissions. Permittee shall update such records when new components are installed. [District Rule 2201]
15. The operator shall maintain records of the results of all required leak inspections. [District Rule 4624]
16. The operator shall maintain daily records of liquid throughput and number of disconnects. [District Rule 4624]
17. All records required by this permit shall be retained on-site for a minimum of five years and made available for District, ARB, and EPA inspection upon request. [District Rule 4624]

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

# Attachment D

## SJVUAPCD Proposed Permits

# San Joaquin Valley Air Pollution Control District

FACILITY: C-306-0-1

EXPIRATION DATE: 11/30/2012

## FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: CHEVRON PIPELINE CO -TANK FARM

Location: INTERSTATE-5 & HIGHWAY 41, KETTLEMAN CITY, CA 93239

C-306-0-1; Dec 8 2011 4:32PM - LOWELES

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
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34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On {Month Day, Year}, the Initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based on this date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-306-1-3

EXPIRATION DATE: 11/30/2012

## EQUIPMENT DESCRIPTION:

ONE 134,000 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH A SPRING-TYPE FLEX-A-SEAL PRIMARY SEAL AND AN INSUGER WIPER TYPE SECONDARY SEAL WITH A 16 GAUGE GALVANIZED CONTINUOUS WEATHER-STRIP (TANK ID #232)

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored in the tank shall be less than 11.0 psia. [District Rule 4623 Section 5.1.1] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with a closure device between the tank shell and roof edge consisting of two seals mounted one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred to as the secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
3. The external floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs. [District Rule 4623] Federally Enforceable Through Title V Permit
4. Gaps between the tank shell and the primary seal shall not exceed 2 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The cumulative length of all primary seal gaps greater than 1 1/2 inches shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
7. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
8. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
9. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
10. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 24 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 5 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623] 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. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The secondary seal shall allow easy insertion of probes up to 2 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
14. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
15. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be leak-free, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Except for primary seals, secondary seals, floating roof deck fittings, floating roof automatic bleeder valves and pressure-vacuum relief valves, the tank's components shall be inspected annually for leaks. [District Rule 2520 Section 9.3.2] Federally Enforceable Through Title V Permit
17. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
18. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623]
19. {2518} Except for automatic bleeder vents, rim vents, and pressure relief vents, each opening in a non-contact external floating roof shall provide a projection below the liquid surface. [District Rule 4623]
20. {2519} Except for automatic bleeder vents and rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times (i.e., no visible gap) except when in actual use. [District Rule 4623]
21. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. [District Rule 4623] Federally Enforceable Through Title V Permit
22. Rim vents shall be equipped with a gasket and shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. [District Rule 4623] Federally Enforceable Through Title V Permit
23. {2522} Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tanks. [District Rule 4623]
24. External floating roof legs shall be equipped with vapor socks or vapor barriers in order to maintain a leak-free condition so as to prevent VOC emissions from escaping through the roof leg opening. [District Rule 4623] Federally Enforceable Through Title V Permit
25. All wells and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
26. The solid guidepole well shall be equipped with a pole wiper and a gasketed cover, seal or lid which shall be in a closed position at all times (i.e., no visible gap) except when the well is in use. [District Rule 4623] 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.

27. The gap between the pole wiper and the solid guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
28. The slotted guidepole well on a external floating roof shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed 1/8 inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
29. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/8 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
30. The permittee of external floating roof tanks shall make the primary seal envelope available for unobstructed inspection by the APCO on an annual basis at locations selected along its circumference at random by the APCO. In the case of riveted tanks with toroid-type seals, a minimum of eight locations shall be made available; in all other cases, a minimum of four locations shall be made available. If the APCO suspects a violation may exist the APCO may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
31. The permittee shall inspect all floating tanks at least once every 12 months to determine compliance with the requirements of this rule. The actual gap measurements of the floating roof primary and secondary seals shall be recorded. The inspection results shall be submitted to the APCO as specified in Section 6.3.5. [District Rule 4623] Federally Enforceable Through Title V Permit
32. The permittee shall inspect the primary and secondary seals for compliance with the requirements of this rule every time a tank is emptied or degassed. Actual gap measurements shall be performed when the liquid level is static but not more than 24 hours after the tank roof is re-floated. [District Rule 4623]
33. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
34. Permittee shall maintain the records of the external floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623]
35. The permittee shall conduct true vapor pressure (TVP) testing of the organic liquid whenever there is a change in the source or type of organic liquid stored in this tank. [District Rule 2520, Section 9.3.2] Federally Enforceable Through Title V Permit
36. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
37. Compliance with permit conditions in the Title V permit shall be deemed in compliance with SJVUAPCD Rule 4623 (Amended May 19, 2005). A permit shield is granted from this requirement. [District Rule 2520, Section 13.2] Federally Enforceable Through Title V Permit
38. This unit was constructed prior to 1970 and has not undergone reconstruction or modification as defined in 40 CFR 60 Subpart A; therefore, 40 CFR 60 Subpart K, Subpart Ka, and Subpart Kb do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, Section 13] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-306-3-2

EXPIRATION DATE: 11/30/2012

## EQUIPMENT DESCRIPTION:

ONE 52,720 BBL RIVETED SILVER EXTERNAL FLOATING ROOF CRUDE OIL STORAGE TANK WITH AN INSULATED FLOATING PAN-TYPE ROOF WITH A FOAM AND FINGER MULTI-LAYERED WIPER ASSEMBLY ON BOTH PRIMARY AND SECONDARY SEALS (TANK ID #226)

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored in the tank shall be less than 11.0 psia. [District Rule 4623 Section 5.1.1] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with a closure device between the tank shell and roof edge consisting of two seals mounted one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred as the secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
3. The external floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs. [District Rule 4623] Federally Enforceable Through Title V Permit
4. Gaps between the tank shell and the primary seal shall not exceed 2 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The cumulative length of all primary seal gaps greater than 1 1/2 inches shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
7. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
8. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
9. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
10. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 24 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 5 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623] 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. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The secondary seal shall allow easy insertion of probes up to 2 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
14. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
15. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Except for primary seals, secondary seals, floating roof deck fittings, floating roof automatic bleeder valves and pressure-vacuum relief valves, the tank's components shall be inspected annually for leaks. [District Rule 2520 Section 9.3.2] Federally Enforceable Through Title V Permit
17. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
18. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
19. Except for automatic bleeder vents, rim vents, and pressure relief vents, each opening in a non-contact external floating roof shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
20. Except for automatic bleeder vents and rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times (i.e., no visible gap) except when in actual use. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. [District Rule 4623] Federally Enforceable Through Title V Permit
22. Rim vents shall be equipped with a gasket and shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tanks. [District Rule 4623] Federally Enforceable Through Title V Permit
24. External floating roof legs shall be equipped with vapor socks or vapor barriers in order to maintain a leak-free condition so as to prevent VOC emissions from escaping through the roof leg opening. [District Rule 4623] Federally Enforceable Through Title V Permit
25. All wells and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
26. The solid guidepole well shall be equipped with a pole wiper and a gasketed cover, seal or lid which shall be in a closed position at all times (i.e., no visible gap) except when the well is in use. [District Rule 4623] 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.

27. The gap between the pole wiper and the solid guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
28. The slotted guidepole well on a external floating roof shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed 1/8 inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
29. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/8 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
30. The permittee of external floating roof tanks shall make the primary seal envelope available for unobstructed inspection by the APCO on an annual basis at locations selected along its circumference at random by the APCO. In the case of riveted tanks with toroid-type seals, a minimum of eight locations shall be made available; in all other cases, a minimum of four locations shall be made available. If the APCO suspects a violation may exist the APCO may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
31. The permittee shall inspect all floating tanks at least once every 12 months to determine compliance with the requirements of this rule. The actual gap measurements of the floating roof primary and secondary seals shall be recorded. The inspection results shall be submitted to the APCO as specified in Section 6.3.5. [District Rule 4623] Federally Enforceable Through Title V Permit
32. The permittee shall inspect the primary and secondary seals for compliance with the requirements of this rule every time a tank is emptied or degassed. Actual gap measurements shall be performed when the liquid level is static but not more than 24 hours after the tank roof is re-floated. [District Rule 4623] Federally Enforceable Through Title V Permit
33. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of Rule 4623. [District Rule 4623]
34. Permittee shall maintain the records of the external floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623]
35. The permittee shall conduct true vapor pressure (TVP) testing of the organic liquid whenever there is a change in the source or type of organic liquid stored in this tank. [District Rule 2520, Section 9.3.2] Federally Enforceable Through Title V Permit
36. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]
37. Compliance with permit conditions in the Title V permits shall be deemed in compliance with SJVUAPCD Rule 4623 (amended May 19, 2005), A permit shield is granted from this requirement. [District Rule 2520, Section 13.2] Federally Enforceable Through Title V Permit
38. This unit was constructed prior to 1970 and has not undergone reconstruction or modification as defined in 40 CFR 60 Subpart A; therefore, 40 CFR 60 subpart K, Subpart Ka, and Subpart Kb do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, Section 13] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-306-9-5

EXPIRATION DATE: 11/30/2012

## EQUIPMENT DESCRIPTION:

ORGANIC LIQUID (CRUDE OIL) UNLOADING OPERATION CONSISTING OF TWO UNLOADING RACKS (RACK #1 AND RACK #2)

## PERMIT UNIT REQUIREMENTS

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1. The unloading equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnection. [District Rule 4624] Federally Enforceable Through Title V Permit
2. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of gaseous or vapor emissions with a concentration of VOC greater than 1,000 ppmv above background as methane. [District Rule 4624] Federally Enforceable Through Title V Permit
3. Excess liquid drainage shall be defined as exceeding 10 milliliters based on an average from 3 consecutive disconnects. [District Rule 4624] Federally Enforceable Through Title V Permit
4. Gaseous or vapor emissions with a concentration of VOC greater than 10,000 ppmv above a background as methane and liquid leaks at a rate of more than three (3) drops per minute shall constitute a leak and are violations of this permit. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The operator shall inspect each transfer rack handling organic liquids for leaks during transfer at least once every calendar quarter using the test method prescribed in this permit. [District Rule 4624] Federally Enforceable Through Title V Permit
6. Any component that is found to be leaking shall be repaired or replaced within 72 hours. If the leaking component cannot be repaired or replaced within 72 hours, the component shall be taken out of service until such time the component is repaired or replaced. The repaired or replacement equipment shall be re-inspected the first time the equipment is in operation after the repair or replacement. [District Rule 4624] Federally Enforceable Through Title V Permit
7. All measurements of gaseous leak concentrations shall be conducted according to EPA Method 21 using an appropriate portable hydrocarbon detection instrument calibrated with methane. The instrument shall be calibrated in accordance with the procedures specified in EPA Method 21 or the manufacturer's instructions not more than 30 days prior to its use. [District Rule 4624] Federally Enforceable Through Title V Permit
8. Fugitive VOC emissions from components in gas, light liquid, and light oil service shall not exceed 0.38 lb/day. VOC emissions from disconnects shall not exceed 0.86 lbs/day and there shall be no more than 80 liquid line disconnects per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The emission of VOC from the transfer operation shall not exceed 0.08 pounds VOC per 1,000 gallons of organic liquid transferred. [District Rule 4624] Federally Enforceable Through Title V Permit
10. Fugitive VOC emissions rate shall be calculated using CAPCOA California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities Table IV-2c, Oil and Gas Production Screening Value Ranges Emission Factors (Feb 1999) from the total number of components in gas, light liquid, and light crude oil service. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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11. Permittee may apply for a written approval from the APCO to change the inspection frequency from quarterly to annually provided no leaks are found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection the frequency shall revert back to quarterly and the operator shall contact the APCO in writing within 14 days. [District Rule 4624] Federally Enforceable Through Title V Permit
12. Records shall be maintained of each calibration of the portable hydrocarbon detection instrument utilized for inspecting components. The records shall include a copy of the current calibration gas certification from the vendor of the calibration gas cylinder, the date of calibration, the concentration of calibration gas, the instrument reading of calibration gas before adjustment, the instrument reading of calibration gas after adjustment, the calibration gas expiration date, and the calibration gas cylinder pressure at the time of calibration. [District Rule 4624] Federally Enforceable Through Title V Permit
13. Permittee shall maintain records of number and type of components installed and calculated fugitive emissions. Permittee shall update such records when new components are installed. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The operator shall maintain records of the results of all required leak inspections. [District Rule 4624] Federally Enforceable Through Title V Permit
15. The operator shall maintain daily records of liquid throughput and number of disconnects. [District Rule 4624] Federally Enforceable Through Title V Permit
16. All records required by this permit shall be retained on-site for a minimum of five years and made available for District, ARB, and EPA inspection upon request. [District Rule 4624] Federally Enforceable Through Title V Permit

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