



MAR 10 2011

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 – Title V Permit Renewal  
District Facility # N-2369  
Project # N-1093825**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for BP West Coast Products, LLC for its bulk petroleum plant at 2700 W. Washington Street in Stockton, 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

Attachments  
C: Vanesa Gonzalez, Permit Services Engineer

**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



MAR 10 2011

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

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-2369  
Project # N-1093825**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for BP West Coast Products, LLC for its bulk petroleum plant at 2700 W. Washington Street in Stockton, 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

**Attachments**

C: Vanesa Gonzalez, Permit Services Engineer

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MAR 10 2011

Paula Skryja  
BP West Coast Products, LLC  
2700 W Washington St  
Stockton, CA 95203

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-2369  
Project # N-1093825**

Dear Ms. Skryja:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for BP West Coast Products, LLC for its bulk petroleum plant at 2700 W. Washington Street in Stockton, 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

**Attachments**

C: Vanesa Gonzalez, Permit Services Engineer

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

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Stockton Record

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to BP West Coast Products, LLC for its bulk petroleum plant at 2700 W. Washington Street in Stockton, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1093825, 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 renewal of the Federally Mandated Operating permit. If requested by the public, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed renewed 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  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
BP West Coast Products, LLC  
N-2369**

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Bulk Petroleum Terminal**

**Engineer:** Vanesa Gonzalez  
**Date:** January 27, 2011

**Facility Number:** N-2369  
**Facility Name:** BP West Coast Products, LLC  
**Mailing Address:** 2700 W. Washington St.  
Stockton, CA 95203

**Contact Name:** Paula Skryja  
**Phone:** (510) 231-4704

**Responsible Official:** Michael Peterson  
**Title:** Terminal Manager

**Project # :** N-1093825  
**Deemed Complete:** August 19, 2009

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**I. PROPOSAL**

BP West Coast Products, LLC was issued a Title V permit on December 31, 2004. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

**II. FACILITY LOCATION**

BP West Coast Products, LLC is located at 2700 West Washington Street in Stockton, CA.

### III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is included as Attachment C.

### IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit Templates:

#### A. Template SJV-UM-0-3 Facility Wide Umbrella

The applicant has requested to utilize template No. SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in 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 Renewed 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 41 of the requirements for permit unit N-2369-0-2.

### VI. FEDERALLY ENFORCEABLE REQUIREMENTS

#### A. Rules Updated

- District Rule 2201, New and Modified Stationary Source Review Rule (amended December 18, 2008)

- District Rule 4623, Storage of Organic Liquids  
(amended December 20, 2001 ⇒ May 19, 2005)
- District Rule 4624, Transfer of Organic Liquids  
(amended December 17, 1992 ⇒ amended December 20, 2007)

#### **B. Rules Removed**

No rules have been removed from the facility permit since the last permit renewal was completed for this facility.

#### **C. Rules Added**

- District Rule 4702, Internal Combustion Engines  
(amended January 18, 2007)

#### **D. Rules Not Updated**

- District Rule 1070, Inspections  
(amended December 17, 1992)
- District Rule 1081, Source Sampling  
(amended December 16, 1993)
- District Rule 2520, Federally Mandated Operating Permit  
(amended June 21, 2001)
- District Rule 4701, Internal Combustion Engines – Phase 1  
(amended August 21, 2003)
- 40 CFR 60 Subpart XX, Standard of Performance for Bulk Gasoline Terminals

### **VII. 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".

For this facility, the following are not federally enforceable and will not be discussed in further detail:

**A. Rules Added**

Title 17 CCR, Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines

Conditions 2, 9, 10, 12, 13, and 14 of the requirements for permit unit N-2369-14-5 are based on the rule listed above and are not Federally Enforceable through Title V. However, these conditions also show compliance with several SIP Approved District Rules as discussed below. Therefore, these conditions are listed as Federally Enforceable on the permit requirements.

**B. Rules Not Updated**

District Rule 4102, Nuisance (as amended December 17, 1992)

Condition 42 of permit unit N-2369-0-2 is based on District Rule 4102 and will therefore not be discussed any further.

**VIII. PERMIT REQUIREMENTS**

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit.

**A. District Rule 2201 - New and Modified Stationary Source Review Rule**

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.26, defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.

- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable at this time.

**B. District Rule 2520 – Federally Mandated Operating Permits**

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

**C. District Rule 4623 – Storage of Organic Liquids**

The purpose of this rule is to limit volatile organic compound (VOC) emissions from the 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.

Per Section 4.1.3, The provisions of this rule shall not apply to Tanks that are used for storage/processing of clean produced water, or other water that meets the VOC standard specified in the definition of “clean produced water” in Rule 1020 (Definitions).

- a. N-2369-13-4: LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

Condition 5 of the requirements for this unit ensures compliance with this section.

Per section 4.2, except for complying with Sections 6.3.2, 6.3.3 and 7.2, the requirements of this rule shall not apply to the following.

- Emergency standby tanks, in existence prior to May 1, 1979, which exclusively store petroleum distillates or crude oil. Prior to return to Emergency Standby status, the contents of each tank shall be drained to the maximum extent feasible. After a tank has been used (filled or partially filled) and draining of the tank has begun, any further filling of the

tank shall constitute a separate use of the tank, and the number of days the tank is used shall be counted towards the 60 cumulative days limit specified in the definition of an emergency standby tank in Section 3.8. Fixed roof emergency standby tanks shall be equipped with a pressure-vacuum relief valve that meets the requirements of Section 5.2.

- Temporary tanks, with capacities of 21,000 gallons (500 barrels) or less, left on site for six months or less.
- a. N-2369-13-4: LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

Conditions 2, 3, 6, and 7 of the requirements for this unit ensure compliance with this section.

Section 5.1 contains VOC control system requirements for tanks subject to this rule. Per section 5.1.1 the operator shall not place, hold, or store organic liquid in any tank unless such tank is equipped with a VOC control system identified in the following table. The specifications for the VOC control system are described in Sections 5.2, 5.3, 5.4, 5.5, and 5.6.

Tank Capacity (Gallons)	True Vapor Pressure (TVP) of Organic Liquid		
	0.5 psia to < 1.5 psia	1.5 psia to < 11 psia	≥ 11.0 psia
(Group A) 1,100 to 19,800	Pressure-vacuum relief valve, or internal floating roof, or external floating roof, or vapor recovery system	Pressure-vacuum relief valve, or internal floating roof, or external floating roof, or vapor recovery system	Pressure vessel or vapor recovery system
(Group B) > 19,800 to 39,600	Pressure-vacuum relief valve, or internal floating roof, or external floating roof, or vapor recovery system	Internal floating roof, or external floating roof, or vapor recovery system	Pressure vessel or vapor recovery system
(Group C) > 39,600	Internal floating roof, or external floating roof, or vapor recovery system	Internal floating roof, or external floating roof, or vapor recovery system	Pressure vessel or vapor recovery system

Section 5.1.2 applies to small producers. Since this operation is not a small producer, the requirements of this section will not be discussed.

Section 5.1.3 requires all tanks subject to the control requirements of this rule to be maintained in a leak-free condition, except for certain enumerated components on floating roof tanks and as allowed by Section 5.2 and applicable provisions of Table 3 through Table 5, and Section 5.7.5.4.

- Primary seals and secondary seals of external floating roof tanks that are in compliance with the applicable requirements specified in Sections 5.3.2.1, 5.3.2.2, and 5.3.2.3.
  - Primary seals and secondary seals of internal floating roof tanks that are in compliance with the applicable requirements specified in Section 5.4.1.
  - Floating roof deck fittings that are in compliance with the applicable requirements specified in Sections 5.5.2.1.5, 5.5.2.2.5, 5.5.2.3.3, 5.5.2.4.2, and 5.5.2.4.3.
  - Floating roof automatic bleeder vents that are in compliance with requirements specified in Sections 5.5.2.1.3 and 5.5.2.2.3 during product change provided product change is accomplished as expeditiously as practicable.
- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 1 and 14 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 1 and 14 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 1 and 14 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 1 and 15 of the requirements for this unit ensure compliance with this section.

- e. N-2369-12-4: OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

Conditions 3 and 4 of the requirements for this unit ensure compliance with this section.

- f. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 1 and 15 of the requirements for this unit ensure compliance with this section.

Section 5.2 specifies that the pressure-vacuum relief valve on a tank shall be set to within ten (10) percent of the maximum allowable working pressure of the tank. The pressure-vacuum relief valve shall be properly installed and maintained in good operating order in accordance with the manufacturer's instructions, permanently labeled with the operating pressure settings, and shall remain in leak-free condition except when the operating pressure exceeds the valve set pressure.

- a. N-2369-12-4: OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

Conditions 4 and 5 of the requirements for this unit ensure compliance with this section.

Section 5.3 contains the specifications for an external floating roof tank. Per Section 5.3.1 an external floating roof tank shall be:

- Equipped with a floating roof consisting of a pan type that is installed before December 20, 2001, pontoon-type, or double-deck type cover, that rests on the surface of the liquid contents; and
- Equipped with a closure device between the tank shell and roof edge consisting of two seals, 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.
- The floating roof shall be floating 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 processes of filling or emptying and refilling the tank shall be continuous and shall be accomplished as rapidly as possible. Whenever the operator intends to land the roof on its legs, an operator 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 the operator may land the roof on its legs. The required information to be included in the written notification as well as the recordkeeping requirements is specified in Section 6.3.7.

Section 5.3.2 includes the requirements for several primary and secondary seal configurations.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 3 through 12 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 672,000 GALLON EXTERNAL FLOATING ROOF GASOLINE STORAGE TANK #8 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL

Conditions 2 through 12 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 3 through 12 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 4 through 13 of the requirements for this unit ensure compliance with this section.

- e. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 4 through 13 of the requirements for this unit ensure compliance with this section.

Section 5.4 contains the specifications for an internal floating roof tank. This section requires tanks with an internal floating roof to be equipped with seals that meet the criteria set forth in Section 5.3, except for complying with the requirement specified in Section 5.3.2.1.3. For internal floating roof, the metallic-shoe type seals 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 18 inches above the stored liquid surface.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 2 through 12 of the requirements for this unit ensure compliance with this section.

- b. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 2 through 12 of the requirements for this unit ensure compliance with this section.

- c. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 3 through 13 of the requirements for this unit ensure compliance with this section.

- d. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 3 through 13 of the requirements for this unit ensure compliance with this section.

Section 5.5 contains the requirements for floating roof deck fittings. This section contains specific requirements for internal and external floating roof deck fittings. In addition there are requirements for solid and slotted guide poles.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 13, 15 through 20, 22, and 23 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 13, 15 through 20, 22, and 23 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 13, 15 through 20, 22, and 23 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 4, 16 through 21, 23, and 24 of the requirements for this unit ensure compliance with this section.

- e. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 4, 16 through 21, 23, and 24 of the requirements for this unit ensure compliance with this section.

Section 5.6 contains the requirements for a vapor recovery system. None of the tanks at this facility have a vapor recovery system. Therefore, this section is not applicable no further discussion is required.

Section 5.7 establishes the requirements for the voluntary tank preventive inspection and maintenance, and tank interior cleaning program. This facility has not requested to have any of the tanks operated at this facility to participate in this program. Therefore, the requirements of this section do not apply to these tanks and no further discussion is required.

Section 6.1, contains requirements for the inspection of floating roof tanks

- The operator 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 (8) locations shall be made available; in all other cases, a minimum of four (4) 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.
- Operators of floating roof tanks shall submit a tank inspection plan to the APCO for approval. The plan shall include an inventory of the tanks subject to this rule and a tank inspection schedule. A copy of the operator's tank safety procedures shall be made available to the APCO upon request. The tank inventory shall include tank's identification number, PTO number, maximum tank capacity, dimensions of tank (height and diameter), organic liquid stored, type of primary and secondary seal, type of floating roof (internal or external floating roof), construction date of tank, and location of tank. Any revision to a previously approved tank inspection schedule shall be submitted to the APCO for approval prior to conducting an inspection.
- External Floating Roof Tank Inspection
  - 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.

- 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 48 hours after the tank roof is re-floated.
- Internal Floating Roof Tank Inspection
  - For newly constructed, repaired, or rebuilt internal floating roof tanks, visually inspect the internal floating roof and its appurtenant parts, fittings, etc., and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., the operator shall repair the defects before filling the tank.
  - Visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found are violations of this rule.
  - Conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 24, 25, and 28 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 24 and 25 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 24, 25, and 28 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 25, 26, and 29 of the requirements for this unit ensure compliance with this section.

- e. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 25, 26, and 29 of the requirements for this unit ensure compliance with this section.

Section 6.2 applies to uncontrolled fixed roof tanks. This facility does not have any uncontrolled fixed roof tanks therefore this section is not applicable to any of the tanks and will not be discussed any further.

Section 6.3 states that an operator shall retain accurate records required by this rule for a period of five years. Records shall be made available to the APCO upon request, except for certain records that need to be submitted as specified in the respective sections below.

Per 6.3.1, an operator whose tanks are subject to the requirements of this rule shall keep an accurate record of each organic liquid stored in each tank, including its storage temperature, TVP, and API gravity. The requirement of 6.3.1 shall not apply to fixed roof tanks equipped with a vapor recovery system, external floating roof tanks, or internal floating roof tanks that meet the requirements of this rule.

Per 6.3.2, an operator whose emergency standby tanks are required to comply with Section 4.2.1 shall maintain records showing date(s) the organic liquid is first introduced into each tank, and date(s) each tank is fully drained.

Such records shall be submitted to the APCO 60 days prior to permit renewal.

Per section 6.3.3, an operator whose temporary tanks are required to comply with Section 4.2.2 shall maintain records showing the tank capacity and duration of time that the tank is used.

Section 6.3.4 applies to small producers. Since this facility is not a small producer this section does not apply and will not be discussed any further.

6.3.5 An operator shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 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 shall be made available upon request by the APCO. The inspection report shall contain all information necessary to demonstrate compliance with the provisions of this rule, including the following:

- Date of inspection and names and titles of company personnel doing the inspection.
- Tank identification numbers and PTO number.
- Measurements of the gaps between the tank shell and primary and secondary seals.
- Leak-free status of tanks and floating roof deck fittings. Records of leak-free status shall include the vapor concentration values measured in ppmv.
- Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3, 5.4, 5.5.2.3.3, 5.5.2.4.2, and 5.5.2.4.3 of this rule.
- Any corrective actions or repairs performed on the tank in order to comply with this rule and the date such actions were taken.

Section 6.3.6, applies to unit that must meet the requirements of Section 6.2 to the APCO within 45 days after the date of testing. The record shall include the tank identification number, PTO number, type of stored organic liquid, TVP and API gravity of the stored organic liquid, test methods used, and a copy of the test results. An operator who uses the information in Appendix A to demonstrate the TVP and/or API gravity of the stored organic liquid shall submit information to the APCO within 45 days after the date that the type of organic liquid stored in the tank has been determined.

Per 6.3.7, an operator shall maintain the records of the external floating roof or internal floating roof landing activities that are performed pursuant to Sections 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and 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. The operator shall keep the records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 29, 30, and 34 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 28, 29, and 33 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 29, 30, and 34 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 30, 31, and 35 of the requirements for this unit ensure compliance with this section.

- e. N-2369-12-4: OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

Conditions 6 and 7 of the requirements for this unit ensure compliance with this section.

- f. N-2369-13-4: LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

Conditions 8 and 10 of the requirements for this unit ensure compliance with this section.

- g. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 30, 31, and 35 of the requirements for this unit ensure compliance with this section.

- b. N-2369-31-2: TWO 8,000 GALLON FIXED-ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANKS AND A PERMIT-EXEMPT PROCESSED WATER TANK. THE TANKS ARE SERVED BY A CARBON ADSORPTION SYSTEM. THESE TANKS SERVE AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) FOR PERMITS N-2369-12 AND N-2369-13 TO ALLOW THE INSPECTION AND/OR REPAIR OF TANK 7 PERMITTED UNDER N-2369-13.

Conditions 12 and 15 of the requirements for this unit ensure compliance with this section.

Section 6.4 states what test methods that shall be used to show compliance with this rule unless otherwise approved by the APCO and the United States Environmental Protection Agency (US EPA).

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 31 and 32 of the requirements for this unit ensure compliance with this section.

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 30 and 31 of the requirements for this unit ensure compliance with this section.

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

Conditions 31 and 32 of the requirements for this unit ensure compliance with this section.

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 32 and 33 of the requirements for this unit ensure compliance with this section.

- e. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

Conditions 32 and 33 of the requirements for this unit ensure compliance with this section.

#### **D. District Rule 4624 – Transfer of Organic Liquid**

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

Section 3.8 defines a Class 1 organic liquid transfer facility 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. This facility has limited the throughput of organic liquids being loaded by their three loading racks to 2,160,000 gallons per day. Therefore, this facility is a Class 1 organic liquid transfer facility.

Per Section 5.1, a Class 1 organic liquid transfer facility, the emission of VOC from the transfer operation shall not exceed 0.08 pounds per 1,000 gallons of organic liquid transferred and use one of the following systems:

- An organic liquid loading operation shall be bottom loaded.
  - The VOC from the transfer operation shall be routed to:
    - A vapor collection and control system;
    - A fixed roof container that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids);
    - A floating roof container that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids); or
    - A pressure vessel equipped with an APCO-approved vapor recovery system that meets the control requirements specified in Rule 4623 (Storage of Organic Liquids); or
    - A closed VOC emission control system.
- a. N-2369-18-5, 19-5, and 29-5: TRUCK LOADING RACK WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

Conditions 1 and 3 of the requirements for these units ensure compliance with this section.

- b. N-2369-26-5: VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER

Condition 5 of the requirements for this unit ensures compliance with this section.

- c. N-2369-30-3: BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

Condition 6 of the requirements for this unit ensures compliance with this section.

Section 5.2 applies to Class 2 organic liquid transfer facility. Since this facility is a Class 1 the requirements of this section do not apply and will not be discussed further.

Section 5.3 applies to transfer operation utilizing a closed VOC emission control system or utilizing a container that meets the control requirements of Rule 4623 (Storage of Organic Liquids) to meet the emission control

requirements of this rule shall demonstrate compliance with Sections 5.1 and 5.2 by complying with the leak inspection requirements of Section 5.9.

Per Section 5.4, the vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and six (6) inches water column vacuum. This section shall not apply to the transfer of liquefied petroleum gas.

Section 5.5 requires all delivery tanks which previously contained organic liquids with a TVP of 1.5 psia or greater at the storage container's maximum organic liquid storage temperature shall be filled only at transfer facilities satisfying Sections 5.1, 5.2, or 5.4, as applicable.

Per Section 5.6, the transfer rack and vapor collection equipment shall be designed, installed, maintained and operated such that there are no leaks and no excess organic liquid drainage at disconnections.

Per section 5.7 the construction of any new top loading facility or the reconstruction, as defined in 40 CFR 60.15, or the expansion of any existing top loading facility with top loading equipment shall not be allowed.

Section 5.8 applies to facilities exclusively handling liquefied petroleum gas. Since this facility is not exclusively handling liquefied petroleum gas, the requirements of this section do not apply and will not be discussed further.

- a. N-2369-18-5, 19-5, and 29-5: TRUCK LOADING RACK WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

Conditions 4 through 7 of the requirements for these units ensure compliance with this section.

- b. N-2369-30-3: BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

Condition 14 of the requirements for this unit ensures compliance with this section.

The leak inspection requirements in section 5.9 are listed below.

- The operator of an organic liquid transfer facility shall inspect the vapor collection system, the vapor disposal system, and each transfer rack handling organic liquids for leaks during transfer at least once every calendar quarter using the test method prescribed in Section 6.3.8.

- A floating roof container that meets the applicable control requirements of Section 5.0 of Rule 4623 (Storage of Organic Liquids) shall be considered not leaking for the purposes of this section.
  - All equipment that are found 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.
  - An operator may apply for a written approval from the APCO to change the inspection frequency from quarterly to annually provided no leaks were found during the inspections required under provisions of Sections 5.9.1 and 5.9.2 during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection the frequency would revert back to quarterly and the operator shall contact the APCO in writing within 14 days.
- a. N-2369-18-5, 19-5, and 29-5: TRUCK LOADING RACK WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

Conditions 11 and 12 of the requirements for these units ensure compliance with this section.

- b. N-2369-30-3: BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

Conditions 8 and 10 of the requirements for this unit ensure compliance with this section.

Sections 6.1.1 and 6.1.2 apply to units claiming exemption from this rule through section 4.0. Since none of the units at this facility are claiming exemption under section 4.0 these sections do not apply and will not be discussed any further.

Per 6.1.3, an operator subject to any part of Section 5.0 shall keep records of daily liquid throughput and the results of any required leak inspections.

Per 6.1.4, records required under Sections 6.1.1, 6.1.2, 6.1.3 shall be retained for a minimum of five years and shall be made readily available to the APCO, ARB, or EPA during normal business hours and submitted upon request to the APCO, ARB, or EPA.

Section 6.1.5 applies to operators of vacuum trucks claiming exemption under Section 4.5. This facility does not have any units claiming exemption under section 4.5 therefore, this section is not applicable and will not be discussed any further.

- a. N-2369-18-5, 19-5, and 29-5: TRUCK LOADING RACK WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

Conditions 20, 21, and 22 of the requirements for these units ensure compliance with this section.

- b. N-2369-30-3: BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

Conditions 11 and 13 of the requirements for this unit ensure compliance with this section.

Section 6.2.1 requires initial source testing of the VOC emissions control device by July 20, 2009. This facility has sourced tested the VOC emissions control device therefore, this section does not apply and will not be discussed any further.

Per section 6.2.2 the operator of any Class 1 or Class 2 organic liquid transfer facility shall perform the source test specified in Section 6.3.2 once every 60 months, but no more than 30 days before or after initial source test anniversary date.

- a. N-2369-26-5: VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER

Condition 7 of the requirements for this unit ensure compliance with this section.

Section 6.3 contains the test methods required to show compliance with this rule.

- a. N-2369-18-5, 19-5, and 29-5: TRUCK LOADING RACK WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

Conditions 16 and 17 of the requirements for these units ensure compliance with this section.

**E. District Rule 4702, Internal Combustion Engines–Phase 2**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion (IC) engine with a rated brake horsepower greater than 50 horsepower.

Pursuant to Section 4.3, except for the requirements of Section 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following conditions:

- 1) The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood, and
- 2) Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine, and
- 3) The engine is operated with a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 6.2.3 requires that an owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO.

- a. N-2369-14-5: 94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR

Conditions 2, 3, 10 through 12, and 14 through 16 the permit requirements for this unit ensure compliance with this rule.

**F. 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) as specified in the following paragraphs. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

- (1) Manufacturers of stationary CI ICE with a displacement of less than 30 liters per cylinder where the model year is:
  - 2007 or later, for engines that are not fire pump engines,
  - The model year listed in table 3 to this subpart or later model year, for fire pump engines.
- (2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005 where the stationary CI ICE are:
  - Manufactured after April 1, 2006 and are not fire pump engines, or
  - Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
- (3) Owners and operators of stationary CI ICE that modify or reconstruct their stationary CI ICE after July 11, 2005.
  - a. N-2369-14-5: 94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR

This unit was installed in 1990. Therefore, this subpart does not apply to this unit and no further discussion of this subpart is required.

**G. 40 CFR Part 64-CAM**

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) for units that meet the following three criteria:

- 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.

- a. N-2369-5-4: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

This unit is not subject to CAM because it does not have emission limits for VOC (the only pollutant which would be emitted).

- b. N-2369-6-3: 1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

This unit is not subject to CAM because it does not have emission limits for VOC (the only pollutant which would be emitted).

- c. N-2369-7-4: 420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

This unit is not subject to CAM because it does not have emission limits for VOC (the only pollutant which would be emitted).

- d. N-2369-8-5: 315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

This unit is not subject to CAM because it does not have emission limits for VOC (the only pollutant which would be emitted).

- e. N-2369-10-3: OIL/WATER SEPARATION SYSTEM: SUMP TANK #1

This unit is not subject to CAM because it is not equipped with an add-on control.

- f. N-2369-11-3: OIL/WATER SEPARATION SYSTEM: SUMP TANK #2

This unit is not subject to CAM because it is not equipped with an add-on control.

- g. N-2369-12-4: OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

This unit is not subject to CAM because it is not equipped with an add-on control.

- h. N-2369-13-4: LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

This unit is not subject to CAM because it is not equipped with an add-on control.

- i. N-2369-14-5: 94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR

This unit is not subject to CAM because it is not equipped with an add-on control.

- j. N-2369-15-4: 386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

This unit is not subject to CAM because it does not have emission limits for VOC (the only pollutant which would be emitted).

- k. N-2369-18-5: TRUCK LOADING RACK (LANE #1) WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

This permit unit is not subject to CAM since vapor control system is a collection system rather than a control device.

- l. N-2369-19-5: TRUCK LOADING RACK (LANE #2) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

This permit unit is not subject to CAM since vapor control system is a collection system rather than a control device.

m. N-2369-26-5: VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER

It was previously determined this unit requires CAM. CAM requirements were met by monitoring the stack temperature and by equipping the vapor recovery system with an automatic system that will terminate vapor incineration if the stack temperature drops below 400 degree F or exceeds 2,000 degree F. In addition the vapor recovery system emissions shall be source tested annually. Conditions 1 through 6, 8, and 12 shall ensure compliance with CAM.

n. N-2369-29-5: TRUCK LOADING RACK (LANE #3) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

This permit unit is not subject to CAM since vapor control system is a collection system rather than a control device.

o. N-2369-30-3: BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

This unit is not subject to CAM because it does not have an add-on control.

## IX. 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

#### 1. Model General Permit Template SJV-UM-0-3

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included as conditions 39 and 40 of the facility-wide requirements (N-2369-0-2).

**B. Requirements not Addressed by Model General Permit Templates**

The applicant is not requesting any new permit shields.

**C. Obsolete Permit Shields From Existing Permit Requirements**

1. District Rule 4624 – Transfer of Organic Liquid (12/17/92)

Permit shield for units N-2369-18, -19, and -29 from District rule 4624 is obsolete. The units were shielded from the December 17, 1992 version of this rule. The current SIP approved rule version is December 20, 2007. Therefore, units N-2369-18, -19, and -29 are no longer shielded from this rule.

**X. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

**XI. ATTACHMENTS**

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Facility List

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-2369-0-2

EXPIRATION DATE: 06/30/2009

## 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: BP WEST COAST PRODUCTS, LLC  
Location: 2700 W WASHINGTON STREET, STOCKTON, CA 95203  
N-2369-0-2: Jan 18 2011 4:45PM -- GONZALEV

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

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

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. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every year, 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
42. {118} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. The total stationary source VOC emissions shall be less than 50 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [District Rule 2520] Federally Enforceable Through Title V Permit
44. The total stationary source emission limit for combined hazardous air pollutants shall be less than 25 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [District Rule 2520] Federally Enforceable Through Title V Permit

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

45. The total stationary source emission limit for any one hazardous air pollutant shall be less than 10 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-5-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
2. The floating roof shall be floating 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 processes of filling or emptying and refilling the tank 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 the roof on its legs. [District Rule 4623, 5.4.3 and 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
3. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
4. The cumulative length of all gaps between the tank shell and the primary seal: 1) Greater than one-half (1/2) inch shall not exceed 10 percent of the circumference of the tank; and 2) Greater than one-eighth (1/8) inch shall not exceed 30 percent of the circumference of the tank. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
5. The primary seal shall have no continuous gap greater than one-eighth (1/8) inch shall exceed 10 percent of the tank circumference. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
6. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
7. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed 5 percent of the tank circumference. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
8. The metallic shoe-type primary 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 18 inches above the stored liquid surface. [District Rule 4623, 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
9. 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 3 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623, 5.3.2.1.4 and 5.4.1] Federally Enforceable Through Title V Permit
10. 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, 5.3.2.1.5 and 5.4.1] 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.

11. The secondary seal shall allow easy insertion of probes of up to one and one-half (1-1/2) inches in width in order to measure gaps in the primary seal. [District Rule 4623, 5.3.2.1.6 and 5.4.1] Federally Enforceable Through Title V Permit
12. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623, 5.3.2.1.7 and 5.4.1] Federally Enforceable Through Title V Permit
13. All openings in the roof used for sampling and gauging 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. The cover seal or lid shall be in a closed position, with no visible gaps and be leak free, except when the device or appurtenance is in use. [District Rule 4623, 5.5.1] Federally Enforceable Through Title V Permit
14. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.11, 5.1.3 and 6.4.8] Federally Enforceable Through Title V Permit
15. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.1.1 and 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
16. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains shall be equipped with a cover, or a lid shall be maintained in a closed position at all times (i.e. no visible gaps) except when the device is in use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted in place except when they are in use. [District Rule 4623, 5.5.2.1.2 and 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
17. 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 leg roof supports. [District Rule 4623, 5.5.2.1.3 and 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
18. Rim vents shall be equipped with a gasket and shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. [District Rule 4623, 5.5.2.1.4 and 40 CFR 60.112b(a)(1)(vi)] Federally Enforceable Through Title V Permit
19. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90 percent of the opening. The fabric cover must be impermeable. [District Rule 4623, 5.5.2.1.5 and 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
20. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623, 5.5.2.1.6 and 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
21. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1)(ix)] Federally Enforceable Through Title V Permit
22. All slotted sampling or gauging wells, and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.4.1] Federally Enforceable Through Title V Permit
23. 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 not exceed one-eighth (1/8) inch. [District Rule 4623, 5.5.2.4.3] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, the defects shall be repaired prior to filling the tank. [District Rule 4623, 6.1.4.1 and 40 CFR 60.113b(a)(1)] Federally Enforceable Through Title V Permit
25. The permittee shall visually inspect, through the manholes, roof hatches, or other opening on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule. [District Rule 4623, 6.1.4.2, and 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
26. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during a 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
27. The permittee shall notify the District in writing at least 30 days prior to filling or refilling the tank for which a visual inspection is required by 40 CFR 60.113b(a)(1) and 40 CFR 60.113b(a)(4) so the District can arrange an observer. If the inspection required by paragraph (a)(4) is not planned and the operator could not have known about the inspection 30 days prior to filling the tank, the permittee shall notify the District at least 7 days prior to filling the tank. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
28. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule. [District Rule 4623, 6.1.4.3] Federally Enforceable Through Title V Permit
29. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 this rule, including the following: 1) Date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Measurements of the gaps between the tank shell and primary and secondary seals. 4) Leak free status of the tank and floating roof deck fittings. Records of the leak free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 5) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3.1.3 and 5.5.2.4.3 of Rule 4623. 6) Any corrective actions or repairs performed on the tank in order to comply with rule 4623 and the date(s) such actions were taken. [District Rule 4623, 6.3.5] Federally Enforceable Through Title V Permit
30. The permittee shall maintain records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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, 6.3.7] Federally Enforceable Through Title V Permit

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

31. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, 6.4.2] Federally Enforceable Through Title V Permit
32. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
33. The permittee shall maintain cumulative monthly records of the organic liquid throughput in gallons. Compliance with the daily organic liquid throughput can be determined by dividing the monthly organic liquid throughput by the number of days in the month. [District Rule 2201] Federally Enforceable Through Title V Permit
34. The permittee shall keep all records on-site for a period of at least five years. These records shall be made available for District inspection upon request. [District Rules 2201 and 4623, 6.3] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-6-3

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

672,000 GALLON EXTERNAL FLOATING ROOF GASOLINE STORAGE TANK #8 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
2. The floating roof shall be floating 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 processes of filling or emptying and refilling the tank 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 the roof on its legs. [District Rule 4623, 5.3.1.3 and 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
3. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653, 5.3.2.1.1] Federally Enforceable Through Title V Permit
4. The cumulative length of all gaps between the tank shell and the primary seal: 1) Greater than one-half (1/2) inch shall not exceed 10 percent of the circumference of the tank; and 2) Greater than one-eighth (1/8) inch shall not exceed 30 percent of the circumference of the tank. [District Rule 4623, 5.3.2.1.1] Federally Enforceable Through Title V Permit
5. The primary seal shall have no continuous gap greater than one-eighth (1/8) inch shall exceed 10 percent of the tank circumference. [District Rule 4623, 5.3.2.1.1] Federally Enforceable Through Title V Permit
6. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623, 5.3.2.1.2] Federally Enforceable Through Title V Permit
7. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed 5 percent of the tank circumference. [District Rule 4623, 5.3.2.1.2] Federally Enforceable Through Title V Permit
8. The metallic shoe-type primary 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, 5.3.2.1.5] Federally Enforceable Through Title V Permit
9. 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 3 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623, 5.3.2.1.4] Federally Enforceable Through Title V Permit
10. 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, 5.3.2.1.5] Federally Enforceable Through Title V Permit
11. The secondary seal shall allow easy insertion of probes of up to one and one-half (1-1/2) inches in width in order to measure gaps in the primary seal. [District Rule 4623, 5.3.2.1.6] 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. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623, 5.3.2.1.7] Federally Enforceable Through Title V Permit
13. All openings in the roof used for sampling and gauging 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. The cover seal or lid shall be in a closed position, with no visible gaps and be leak free, except when the device or appurtenance is in use. [District Rule 4623, 5.5.1] Federally Enforceable Through Title V Permit
14. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.11, 5.1.3 and 6.4.8] Federally Enforceable Through Title V Permit
15. Except for automatic bleeder vents and rim vents and pressure vacuum relief vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.2.1 and 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
16. 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, 5.5.2.2.2 and 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
17. 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, 5.5.2.2.3 and 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
18. 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, 5.5.2.2.4 and 40 CFR 60.112b(a)(1)(vi)] Federally Enforceable Through Title V Permit
19. 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, 5.5.2.2.5 and 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
20. 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, 5.5.2.2.6 and 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
21. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1)(ix)] Federally Enforceable Through Title V Permit
22. All slotted sampling or gauging wells, and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.4.1] Federally Enforceable Through Title V Permit
23. 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 not exceed one-eighth (1/8) inch. [District Rule 4623, 5.5.2.4.3] Federally Enforceable Through Title V Permit
24. 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, 6.1.3.1 and 40 CFR 60.113b(a)(1)] Federally Enforceable Through Title V Permit
25. 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 48 hours after the tank roof is re-floated. [District Rule 4623, 6.1.3.2, and 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

26. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during a 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
27. The permittee shall notify the District in writing at least 30 days prior to filling or refilling the tank for which a visual inspection is required by 40 CFR 60.113b(a)(1) and 40 CFR 60.113b(a)(4) so the District can arrange an observer. If the inspection required by paragraph (a)(4) is not planned and the operator could not have known about the inspection 30 days prior to filling the tank, the permittee shall notify the District at least 7 days prior to filling the tank. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
28. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 this rule, including the following: 1) Date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Measurements of the gaps between the tank shell and primary and secondary seals. 4) Leak free status of the tank and floating roof deck fittings. Records of the leak free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 5) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3.1.3 and 5.5.2.4.3 of Rule 4623. 6) Any corrective actions or repairs performed on the tank in order to comply with rule 4623 and the date(s) such actions were taken. [District Rule 4623, 6.3.5] Federally Enforceable Through Title V Permit
29. The permittee shall maintain records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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, 6.3.7] Federally Enforceable Through Title V Permit
30. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, 6.4.2] Federally Enforceable Through Title V Permit
31. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
32. The permittee shall maintain cumulative monthly records of the organic liquid throughput in gallons. Compliance with the daily organic liquid throughput can be determined by dividing the monthly organic liquid throughput by the number of days in the month. [District Rule 2201] Federally Enforceable Through Title V Permit
33. The permittee shall keep all records on-site for a period of at least five years. These records shall be made available for District inspection upon request. [District Rules 2201 and 4623, 6.3] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-7-4

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
2. The floating roof shall be floating 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 processes of filling or emptying and refilling the tank 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 the roof on its legs. [District Rule 4623, 5.4.3 and 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
3. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
4. The cumulative length of all gaps between the tank shell and the primary seal: 1) Greater than one-half (1/2) inch shall not exceed 10 percent of the circumference of the tank; and 2) Greater than one-eighth (1/8) inch shall not exceed 30 percent of the circumference of the tank. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
5. The primary seal shall have no continuous gap greater than one-eighth (1/8) inch shall exceed 10 percent of the tank circumference. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
6. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
7. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed 5 percent of the tank circumference. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
8. The metallic shoe-type primary 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 18 inches above the stored liquid surface. [District Rule 4623, 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
9. 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 3 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623, 5.3.2.1.4 and 5.4.1] Federally Enforceable Through Title V Permit
10. 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, 5.3.2.1.5 and 5.4.1] 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.

11. The secondary seal shall allow easy insertion of probes of up to one and one-half (1-1/2) inches in width in order to measure gaps in the primary seal. [District Rule 4623, 5.3.2.1.6 and 5.4.1] Federally Enforceable Through Title V Permit
12. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623, 5.3.2.1.7 and 5.4.1] Federally Enforceable Through Title V Permit
13. All openings in the roof used for sampling and gauging 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. The cover seal or lid shall be in a closed position, with no visible gaps and be leak free, except when the device or appurtenance is in use. [District Rule 4623, 5.5.1] Federally Enforceable Through Title V Permit
14. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.11, 5.1.3 and 6.4.8] Federally Enforceable Through Title V Permit
15. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.1.1 and 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
16. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains shall be equipped with a cover, or a lid shall be maintained in a closed position at all times (i.e. no visible gaps) except when the device is in use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted in place except when they are in use. [District Rule 4623, 5.5.2.1.2 and 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
17. 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 leg roof supports. [District Rule 4623, 5.5.2.1.3 and 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
18. Rim vents shall be equipped with a gasket and shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. [District Rule 4623, 5.5.2.1.4 and 40 CFR 60.112b(a)(1)(vi)] Federally Enforceable Through Title V Permit
19. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90 percent of the opening. The fabric cover must be impermeable. [District Rule 4623, 5.5.2.1.5 and 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
20. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623, 5.5.2.1.6 and 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
21. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1)(ix)] Federally Enforceable Through Title V Permit
22. All slotted sampling or gauging wells, and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.4.1] Federally Enforceable Through Title V Permit
23. 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 not exceed one-eighth (1/8) inch. [District Rule 4623, 5.5.2.4.3] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, the defects shall be repaired prior to filling the tank. [District Rule 4623, 6.1.4.1 and 40 CFR 60.113b(a)(1)] Federally Enforceable Through Title V Permit
25. The permittee shall visually inspect, through the manholes, roof hatches, or other opening on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule. [District Rule 4623, 6.1.4.2, and 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
26. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during a 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
27. The permittee shall notify the District in writing at least 30 days prior to filling or refilling the tank for which a visual inspection is required by 40 CFR 60.113b(a)(1) and 40 CFR 60.113b(a)(4) so the District can arrange an observer. If the inspection required by paragraph (a)(4) is not planned and the operator could not have known about the inspection 30 days prior to filling the tank, the permittee shall notify the District at least 7 days prior to filling the tank. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
28. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule. [District Rule 4623, 6.1.4.3] Federally Enforceable Through Title V Permit
29. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 this rule, including the following: 1) Date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Measurements of the gaps between the tank shell and primary and secondary seals. 4) Leak free status of the tank and floating roof deck fittings. Records of the leak free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 5) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3.1.3 and 5.5.2.4.3 of Rule 4623. 6) Any corrective actions or repairs performed on the tank in order to comply with rule 4623 and the date(s) such actions were taken. [District Rule 4623, 6.3.5] Federally Enforceable Through Title V Permit
30. The permittee shall maintain records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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, 6.3.7] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

31. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, 6.4.2] Federally Enforceable Through Title V Permit
32. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
33. The permittee shall maintain cumulative monthly records of the organic liquid throughput in gallons. Compliance with the daily organic liquid throughput can be determined by dividing the monthly organic liquid throughput by the number of days in the month. [District Rule 2201] Federally Enforceable Through Title V Permit
34. The permittee shall keep all records on-site for a period of at least five years. These records shall be made available for District inspection upon request. [District Rules 2201 and 4623, 6.3] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-8-5

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

315,000 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
2. The throughput of this tank shall not exceed 2,160,000 gallons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The floating roof shall be floating 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 processes of filling or emptying and refilling the tank 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 the roof on its legs. [District Rule 4623, 5.4.3 and 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
4. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
5. The cumulative length of all gaps between the tank shell and the primary seal: 1) Greater than one-half (1/2) inch shall not exceed 10 percent of the circumference of the tank; and 2) Greater than one-eighth (1/8) inch shall not exceed 30 percent of the circumference of the tank. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
6. The primary seal shall have no continuous gap greater than one-eighth (1/8) inch shall exceed 10 percent of the tank circumference. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
7. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
8. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed 5 percent of the tank circumference. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
9. The metallic shoe-type primary 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 18 inches above the stored liquid surface. [District Rule 4623, 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
10. 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 3 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623, 5.3.2.1.4 and 5.4.1] 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.

11. 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, 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
12. The secondary seal shall allow easy insertion of probes of up to one and one-half (1-1/2) inches in width in order to measure gaps in the primary seal. [District Rule 4623, 5.3.2.1.6 and 5.4.1] Federally Enforceable Through Title V Permit
13. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623, 5.3.2.1.7 and 5.4.1] Federally Enforceable Through Title V Permit
14. All openings in the roof used for sampling and gauging 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. The cover seal or lid shall be in a closed position, with no visible gaps and be leak free, except when the device or appurtenance is in use. [District Rule 4623, 5.5.1] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.17, 5.1.3 and 6.4.8] Federally Enforceable Through Title V Permit
16. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.1.1 and 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
17. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains shall be equipped with a cover, or a lid shall be maintained in a closed position at all times (i.e. no visible gaps) except when the device is in use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted in place except when they are in use. [District Rule 4623, 5.5.2.1.2 and 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
18. 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 leg roof supports. [District Rule 4623, 5.5.2.1.3 and 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
19. Rim vents shall be equipped with a gasket and shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. [District Rule 4623, 5.5.2.1.4 and 40 CFR 60.112b(a)(1)(vi)] Federally Enforceable Through Title V Permit
20. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90 percent of the opening. The fabric cover must be impermeable. [District Rule 4623, 5.5.2.1.5 and 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
21. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623, 5.5.2.1.6 and 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
22. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1)(ix)] Federally Enforceable Through Title V Permit
23. All slotted sampling or gauging wells, and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.4.1] Federally Enforceable Through Title V Permit
24. 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 not exceed one-eighth (1/8) inch. [District Rule 4623, 5.5.2.4.3] 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.

25. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, the defects shall be repaired prior to filling the tank. [District Rule 4623, 6.1.4.1 and 40 CFR 60.113b(a)(1) Federally Enforceable Through Title V Permit
26. The permittee shall visually inspect, through the manholes, roof hatches, or other opening on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule. [District Rule 4623, 6.1.4.2, and 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
27. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during a 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
28. The permittee shall notify the District in writing at least 30 days prior to filling or refilling the tank for which a visual inspection is required by 40 CFR 60.113b(a)(1) and 40 CFR 60.113b(a)(4) so the District can arrange an observer. If the inspection required by paragraph (a)(4) is not planned and the operator could not have known about the inspection 30 days prior to filling the tank, the permittee shall notify the District at least 7 days prior to filling the tank. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
29. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule. [District Rule 4623, 6.1.4.3] Federally Enforceable Through Title V Permit
30. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 this rule, including the following: 1) Date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Measurements of the gaps between the tank shell and primary and secondary seals. 4) Leak free status of the tank and floating roof deck fittings. Records of the leak free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 5) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3.1.3 and 5.5.2.4.3 of Rule 4623. 6) Any corrective actions or repairs performed on the tank in order to comply with rule 4623 and the date(s) such actions were taken. [District Rule 4623, 6.3.5] Federally Enforceable Through Title V Permit
31. The permittee shall maintain records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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, 6.3.7] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

32. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, 6.4.2] Federally Enforceable Through Title V Permit
33. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
34. The permittee shall maintain cumulative monthly records of the organic liquid throughput in gallons. Compliance with the daily organic liquid throughput can be determined by dividing the monthly organic liquid throughput by the number of days in the month. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The permittee shall keep all records on-site for a period of at least five years. These records shall be made available for District inspection upon request. [District Rules 2201 and 4623, 6.3] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-10-3

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

OIL/WATER SEPARATION SYSTEM: SUMP TANK #1

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## PERMIT UNIT REQUIREMENTS

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1. The VOC emissions from the sump tanks (N-2369-10 and N-2369-11) and storage tanks (N-2369-12 and N-2369-13) shall not exceed 5 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All fires and/or product spills shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A monthly log of total volume of liquid handled by this system shall be maintained on the premises and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-11-3

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

OIL/WATER SEPARATION SYSTEM: SUMP TANK #2

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## PERMIT UNIT REQUIREMENTS

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1. The VOC emissions from the sump tanks (N-2369-10 and N-2369-11) and storage tanks (N-2369-12 and N-2369-13) shall not exceed 5 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All fires and/or product spills shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A monthly log of total volume of liquid handled by this system shall be maintained on the premises and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-12-4

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

## PERMIT UNIT REQUIREMENTS

1. All emergency situations such as fires and/or significant product spills outside of primary containment shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Combined VOC emissions from the storage tanks permitted under N-2369-10, N-2369-11, N-2369-12, and N-2369-13 shall not exceed 5.0 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
4. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in a leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623, 5.2] Federally Enforceable Through Title V Permit
5. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.17] Federally Enforceable Through Title V Permit
6. Permittee shall maintain monthly records of liquid throughput, and shall keep accurate records of each organic liquid stored in the tank, including its storage temperature and true vapor pressure (TVP). [District Rule 4623, 6.3.1] Federally Enforceable Through Title V Permit
7. 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, 6.3] Federally Enforceable Through Title V Permit
8. Pressure-vacuum (PV) relief valve shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if the pressure-vacuum relief valve is found to leak during an annual inspection, the inspection frequency shall be changed from annual to quarterly. If no leaks are found during four consecutive quarterly inspections, the inspection frequency may be changed from quarterly to annual. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this permit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. Operator shall maintain an inspection log containing the following 1) Type of leak; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv or liquid leaks more than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-13-4

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

## PERMIT UNIT REQUIREMENTS

1. All emergency situations such as fires and/or significant product spills outside of primary containment shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in a leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623, 4.2.1] Federally Enforceable Through Title V Permit
3. This tank shall not receive or store an organic liquid for more than 60 cumulative days during any 12-month period. [District Rule 4623, 4.2.1] Federally Enforceable Through Title V Permit
4. Combined VOC emissions from the storage tanks permitted under N-2369-10, N-2369-11, N-2369-12, and N-2369-13 shall not exceed 5.0 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. When not in use as an emergency standby tank, this tank may be used to store petroleum-contaminated water. The VOC content of the petroleum-contaminated water shall be less than 35 milligrams per liter, as determined by EPA Test Method 413.2, or 418.1 and/or, if necessary, EPA Test Method 8240. Hydrocarbons heavier than C14, as determined by Test Method ASTM E 260-85, may be excluded from the total concentration. The VOC content of the petroleum-contaminated water stored in this tank shall be determined on a quarterly basis. [District NSR Rule and 4623, 4.1.3] Federally Enforceable Through Title V Permit
6. Prior to return to Emergency Standby status, the organic liquid contents of this tank must be drained to the maximum extent feasible. After the tank has been used (filled or partially filled) and draining of the tank has begun, any further filling of the tank shall constitute a separate use of the tank, and the number of days shall be counted towards the 60 cumulative days limit. [District Rule 4623, 4.2.1] Federally Enforceable Through Title V Permit
7. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623, 3.17] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records indicating the emergency use of the tank. The records shall show the date(s) the organic liquid is first introduced into the tank and the date(s) the tank is fully drained of organic liquid. [District Rule 4623, 6.3.2] Federally Enforceable Through Title V Permit
9. Records of the amount of petroleum-contaminated water stored in this tank shall be maintained and updated monthly. Records of the VOC content of the petroleum-contaminated water shall be maintained and updated quarterly. [District NSR Rule] 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.

10. 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, 6.3] Federally Enforceable Through Title V Permit
11. Pressure-vacuum (PV) relief valve shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if the pressure-vacuum relief valve is found to leak during an annual inspection, the inspection frequency shall be changed from annual to quarterly. If no leaks are found during four consecutive quarterly inspections, the inspection frequency may be changed from quarterly to annual. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this permit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Operator shall maintain an inspection log containing the following 1) Type of leak; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv or liquid leaks more than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-14-5

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.7.4 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 5.7.2] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. NOx emissions shall not exceed 7.2 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions shall not exceed 0.16 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. CO emissions shall not exceed 2.54 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emissions rate shall not exceed 0.215 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule, District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rule 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702, 5.7.3] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] 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.

13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District 4702, 6.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702, 3.15] Federally Enforceable Through Title V Permit
16. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702, 3.15] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2369-15-4

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

386,400 GALLON INTERNAL FLOATING ROOF ORGANIC LIQUID STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A PRIMARY MECHANICAL SHOE SEAL AND A RIM-MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the organic liquid stored shall be less than 11.0 psia. [District Rule 4623, 5.1.1] Federally Enforceable Through Title V Permit
2. The throughput of this tank shall not exceed 2,160,000 gallons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The floating roof shall be floating 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 processes of filling or emptying and refilling the tank 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 the roof on its legs. [District Rule 4623, 5.4.3 and 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
4. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
5. The cumulative length of all gaps between the tank shell and the primary seal: 1) Greater than one-half (1/2) inch shall not exceed 10 percent of the circumference of the tank; and 2) Greater than one-eighth (1/8) inch shall not exceed 30 percent of the circumference of the tank. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
6. The primary seal shall have no continuous gap greater than one-eighth (1/8) inch shall exceed 10 percent of the tank circumference. [District Rule 4623, 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
7. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
8. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed 5 percent of the tank circumference. [District Rule 4623, 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
9. The metallic shoe-type primary 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 18 inches above the stored liquid surface. [District Rule 4623, 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
10. 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 3 inches for a length of at least 18 inches in the vertical plane above the liquid. [District Rule 4623, 5.3.2.1.4 and 5.4.1] 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.

11. 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 , 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
12. The secondary seal shall allow easy insertion of probes of up to one and one-half (1-1/2) inches in width in order to measure gaps in the primary seal. [District Rule 4623, 5.3.2.1.6 and 5.4.1] Federally Enforceable Through Title V Permit
13. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623, 5.3.2.1.7 and 5.4.1] Federally Enforceable Through Title V Permit
14. All openings in the roof used for sampling and gauging 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. The cover seal or lid shall be in a closed position, with no visible gaps and be leak free, except when the device or appurtenance is in use. [District Rule 4623, 5.5.1] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, 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 a dripping rate of more than three (3) drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three (3) drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.11, 5.1.3 and 6.4.8] Federally Enforceable Through Title V Permit
16. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.1.1 and 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
17. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains shall be equipped with a cover, or a lid shall be maintained in a closed position at all times (i.e. no visible gaps) except when the device is in use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted in place except when they are in use. [District Rule 4623, 5.5.2.1.2 and 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
18. 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 leg roof supports. [District Rule 4623, 5.5.2.1.3 and 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
19. Rim vents shall be equipped with a gasket and shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. [District Rule 4623, 5.5.2.1.4 and 40 CFR 60.112b(a)(1)(vi)] Federally Enforceable Through Title V Permit
20. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90 percent of the opening. The fabric cover must be impermeable. [District Rule 4623, 5.5.2.1.5 and 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
21. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623, 5.5.2.1.6 and 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
22. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1)(ix)] Federally Enforceable Through Title V Permit
23. All slotted sampling or gauging wells, and similar fixed projections through the floating roof shall provide a projection below the liquid surface. [District Rule 4623, 5.5.2.4.1] Federally Enforceable Through Title V Permit
24. 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 not exceed one-eighth (1/8) inch. [District Rule 4623, 5.5.2.4.3] 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.

25. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, the defects shall be repaired prior to filling the tank. [District Rule 4623, 6.1.4.1 and 40 CFR 60.113b(a)(1) Federally Enforceable Through Title V Permit
26. The permittee shall visually inspect, through the manholes, roof hatches, or other opening on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule. [District Rule 4623, 6.1.4.2, and 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
27. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during a 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
28. The permittee shall notify the District in writing at least 30 days prior to filling or refilling the tank for which a visual inspection is required by 40 CFR 60.113b(a)(1) and 40 CFR 60.113b(a)(4) so the District can arrange an observer. If the inspection required by paragraph (a)(4) is not planned and the operator could not have known about the inspection 30 days prior to filling the tank, the permittee shall notify the District at least 7 days prior to filling the tank. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
29. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule. [District Rule 4623, 6.1.4.3] Federally Enforceable Through Title V Permit
30. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of Section 6.1 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 this rule, including the following: 1) Date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Measurements of the gaps between the tank shell and primary and secondary seals. 4) Leak free status of the tank and floating roof deck fittings. Records of the leak free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 5) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.3.1.3 and 5.5.2.4.3 of Rule 4623. 6) Any corrective actions or repairs performed on the tank in order to comply with rule 4623 and the date(s) such actions were taken. [District Rule 4623, 6.3.5] Federally Enforceable Through Title V Permit
31. The permittee shall maintain records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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, 6.3.7] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

32. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, 6.4.2] Federally Enforceable Through Title V Permit
33. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
34. The permittee shall maintain cumulative monthly records of the organic liquid throughput in gallons. Compliance with the daily organic liquid throughput can be determined by dividing the monthly organic liquid throughput by the number of days in the month. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The permittee shall keep all records on-site for a period of at least five years. These records shall be made available for District inspection upon request. [District Rules 2201 and 4623, 6.3] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-18-5

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

TRUCK LOADING RACK (LANE #1) WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, and 40 CFR 60.502(b)] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.4, and 40 CFR 60.502(h)] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.5] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 3.17 and 5.6] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.7] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.9 & 6.3.8] Federally Enforceable Through Title V Permit
12. All equipment that are found 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, 5.9] Federally Enforceable Through Title V Permit
13. {2572} Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
16. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.3.1] Federally Enforceable Through Title V Permit
17. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 422, or ARB Test Procedure TP-203.1. [District Rule 4624, 6.3.2, and 40 CFR 60.503] Federally Enforceable Through Title V Permit
18. {2575} The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
19. {869} Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
20. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule and District Rule 4624, 6.1] Federally Enforceable Through Title V Permit
21. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2; 4624, 6.1 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
22. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rules 2520, 9.4.2 and 4624, 6.1] Federally Enforceable Through Title V Permit
23. {872} Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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:** N-2369-19-5

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

TRUCK LOADING RACK (LANE #2) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, and 40 CFR 60.502(b)] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.4, and 40 CFR 60.502(h)] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.5] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 3.17 and 5.6] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.7] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.9, 6.3.8] Federally Enforceable Through Title V Permit
12. All equipment that are found 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, 5.9] Federally Enforceable Through Title V Permit
13. {2572} Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
16. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.3.1] Federally Enforceable Through Title V Permit
17. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 422, or ARB Test Procedure TP-203.1. [District Rule 4624, 6.3.2, and 40 CFR 60.503] Federally Enforceable Through Title V Permit
18. {2575} The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
19. {869} Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
20. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule and District Rule 4624, 6.1] Federally Enforceable Through Title V Permit
21. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2; 4624, 6.1 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
22. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rules 2520, 9.4.2 and 4624, 6.1] Federally Enforceable Through Title V Permit
23. {872} Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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:** N-2369-26-5

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER

## PERMIT UNIT REQUIREMENTS

1. The stack temperature of the thermal oxidizer shall be at or above 400 degrees F within ten minutes of introducing vapors into the combustion chamber. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. The vapor recovery system shall be equipped with a system that automatically terminates vapor incineration if either the stack temperature of the thermal oxidizer drops below 400 degrees F or exceeds 2,000 degrees F. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. After termination of vapor incineration, vapor recovery system shall continue collecting displaced vapors in bladder mode until the bladder tank reaches high level. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall be equipped with a continuous stack temperature monitoring device. The operating temperature will be recorded once each work day during normal working hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
5. VOC emissions from the vapor recovery system shall not exceed 0.08 pounds per 1000 gallons of organic liquid. [40 CFR 60.502(b), District Rules 4624, 5.1.1, San Joaquin County Rule 412, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
6. Source testing to measure vapor recovery emissions shall be conducted at least once every twelve months. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. [District Rule 4624, 6.2.2 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
8. Records of the date, the time period and the reason that the thermal oxidizer is out service shall be kept. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
12. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2 and 40 CFR Part 64] 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: N-2369-29-5

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

TRUCK LOADING RACK (LANE #3) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, and 40 CFR 60.502(b)] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.4, and 40 CFR 60.502(h)] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.5] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 3.17 and 5.6] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.7] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.9, 6.3.8] Federally Enforceable Through Title V Permit
12. All equipment that are found 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, 5.9] Federally Enforceable Through Title V Permit
13. {2572} Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
16. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.3.1] Federally Enforceable Through Title V Permit
17. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 422, or ARB Test Procedure TP-203.1. [District Rule 4624, 6.3.2, and 40 CFR 60.503] Federally Enforceable Through Title V Permit
18. {2575} The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
19. {869} Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
20. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule and District Rule 4624, 6.1] Federally Enforceable Through Title V Permit
21. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2; 4624, 6.1 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
22. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rules 2520, 9.4.2 and 4624, 6.1] Federally Enforceable Through Title V Permit
23. {872} Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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: N-2369-30-3

EXPIRATION DATE: 06/30/2009

**EQUIPMENT DESCRIPTION:**

BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

## PERMIT UNIT REQUIREMENTS

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1. The permittee shall not offload (i.e. receive) any organic liquids with True Vapor Pressure greater than 11 psia via the railcar offloading stations. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Each railcar offloading system shall be maintained and operated to minimize liquid component leaks. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Railcar tank hatches shall be closed at all times, except during railcar offloading. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The operator shall minimize emissions due to hose disconnection activity using the following procedures: 1) Verify the contents of the railcar have been completely emptied; 2) Verify the valve on the bottom of the railcar is in the closed position; 3) Disconnect the transfer hose from the railcar and empty residual product into the transfer pump by rolling the hose toward the transfer pump suction; 4) Close block valve at transfer pump suction; and 5) Tightly install hose cap on free end of hose. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The combined amount of organic liquids received shall not exceed 1,152,000 gallons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions shall not exceed 5.208 e-7 pounds per gallon of organic liquid received. [District NSR Rule, and District Rule 4624, 5.1] Federally Enforceable Through Title V Permit
7. During the railcar offloading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the offloading equipment. Leak inspections shall be conducted using sight, sound and smell methods. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2, and 4624, 5.9] Federally Enforceable Through Title V Permit
9. Corrective steps shall be taken any time the operator observes excess drainage of more than 2 liters (0.5 gallon) at transfer hose disconnect. In addition the operator shall perform and record the results of monthly drainage inspection at each transfer hose disconnect. If no excess drainage conditions are found during three consecutive monthly inspections, the drainage inspection frequency may be change from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. All equipment that are found 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 2520, 9.3.2, and 4624, 5.9] Federally Enforceable Through Title V Permit
11. Records of the combined quantity of organic liquids received shall be maintained and updated daily. [District NSR Rule, and District Rules 1070 & 4624, 6.1.3] Federally Enforceable Through Title V Permit
12. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070; 2520, 9.4.2; and 4624, 6.1.4] Federally Enforceable Through Title V Permit
14. Unloading rack shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 3.17 and 5.6] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT B

Previous Title V Operating Permit

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** N-2369

**EXPIRATION DATE:** 06/30/2009

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

BP WEST COAST PRODUCTS, LLC  
2700 W WASHINGTON STREET  
STOCKTON, CA 95203

**FACILITY LOCATION:**

2700 W WASHINGTON STREET  
STOCKTON, CA 95203

**FACILITY DESCRIPTION:**

CLASS 1 ORGANIC LIQUID LOADING FACILITY

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: N-2369-0-1

EXPIRATION DATE: 06/30/2009

## FACILITY-WIDE REQUIREMENTS

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1. 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. 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. 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. 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 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. 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, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. 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. 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. 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
9. 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

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: BP WEST COAST PRODUCTS, LLC  
Location: 2700 W WASHINGTON STREET, STOCKTON, CA 95203  
N-2369-0-1 : Jan 20 2011 4:10PM - GONZALEV

10. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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
22. 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 (11/15/01). 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

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

23. 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 the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (10/31/01). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. 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. 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 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. 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 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. 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

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

36. 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. 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. 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. 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), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. 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 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. On December 31, 2004, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance 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
42. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. The total stationary source VOC emissions shall be less than 50 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [District Rule 2520] Federally Enforceable Through Title V Permit
44. The total stationary source emission limit for combined hazardous air pollutants shall be less than 25 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [District Rule 2520] Federally Enforceable Through Title V Permit
45. The total stationary source emission limit for any one hazardous air pollutant shall be less than 10 tons per year. A year, for this condition, is any 12 month period based on a monthly rolling average. [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:** N-2369-5-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

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1. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal roof shall be floating on the liquid surface except during initial fill and when the storage vessel is completely emptied or subsequently emptied and 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 days prior to performing the work. [District Rule 4623] Federally Enforceable Through Title V Permit
2. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. 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
3. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. 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
4. The metallic shoe-type primary 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 14 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The geometry of the metallic shoe-type primary seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 14 inches in the vertical plane above the liquid. [District Rule 4623] Federally Enforceable Through Title V Permit
6. 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
7. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
8. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. All openings in the roof, except pressure-vacuum valves which shall be set according to section 5.2 of District Rule 4623 (Storage of Organic Liquids), 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 for sampling or gauging. [District Rule 4623] Federally Enforceable Through Title V Permit
10. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
11. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, combination manway/vacuum breakers, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use. [District Rule 4623] Federally Enforceable Through Title V Permit
13. 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
14. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or set to open at the manufacturer's recommended setting. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
17. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found are violations of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
19. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by District Rule 4623, no holes, tears, or other openings are allowed that would permit the of hydrocarbon vapors. Any defects found shall constitute a violation of District Rule 4623. [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.

20. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of District Rule 4623 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 District Rule 4623. The inspection report for tanks that that have been determined to be in compliance with District Rule 4623 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 District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
21. The permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to District Rule 4623 (amended 12/20/01). The records shall include information on the true vapor pressure (TVP), API gravity, and 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. The permittee shall keep records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
22. All covers, seals and lids covering openings in the roof used for sampling and gauging shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if one or more of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If none of the components of that type are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv and liquid leaks greater than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Inspection log required 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, Section 6.4.2] Federally Enforceable Through Title V Permit
26. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, Section 6.4.3] 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:** N-2369-6-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

672,000 GALLON EXTERNAL FLOATING ROOF GASOLINE STORAGE TANK #8 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

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1. The primary resilient toroid seal shall be mounted on the perimeter of the roof such that it is in contact with the tank's liquid contents at all times while the roof is floating. [District Rule 4623, Section 5.3.2.3.1] Federally Enforceable Through Title V Permit
2. No gap between the tank shell and the primary seal shall exceed one-half (1/2) inch. The cumulative length of all primary seal gaps greater than one-eighth (1/8) inch shall not exceed five (5) percent of the tank circumference. No continuous gap greater than one-eighth (1/8) inch shall exceed ten (10) percent of the tank circumference. [District Rule 4623, Section 5.3.2.3.2] Federally Enforceable Through Title V Permit
3. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed five (5) percent of the tank circumference. [District Rule 4623, Section 5.3.2.3.3] Federally Enforceable Through Title V Permit
4. 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, Section 5.3.2.3.4] Federally Enforceable Through Title V Permit
5. The secondary seal shall allow easy insertion of probes up to one-half (1/2) inch in width in order to measure gaps in the primary seal. [District Rule 4623, Section 5.3.2.3.5] Federally Enforceable Through Title V Permit
6. The secondary seal shall extend from the roof of the tank to the shell and not be attached to the primary seal. [District Rule 4623, Section 5.3.2.3.6] Federally Enforceable Through Title V Permit
7. The tank shall be: 1) equipped with a floating roof consisting of a pan type that is installed before December 20, 2001, pontoon-type, or double-deck type cover, that rests on the surface of the liquid contents; 2) equipped with a closure device between the tank shell and roof edge consisting of two seals, 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; 3) the floating roof shall be floating 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. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Whenever the operator intends to land the roof on its legs, an operator 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, Section 5.3.1] Federally Enforceable Through Title V Permit
8. All openings in the roof used for sampling or gauging, except pressure-vacuum valves which shall be set to within ten (10) percent 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. The cover, seal, or lid shall at all times be in a closed position, with no visible gaps and be leak-free, except when the device or appurtenance is in use for sampling or gauging. [District Rule 4623, Section 5.5.1] 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.

9. The operator shall meet the following requirements: 1) except for automatic bleeder vents and rim vents and pressure vacuum relief vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface; 2) 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; 3) 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; 4) 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; 5) 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; 6) 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, Section 5.5.2.2] Federally Enforceable Through Title V Permit
10. The operator of tanks equipped with solid sampling or gauging wells, and similar fixed projections through a floating roof such as an anti-rotational pipe, shall meet the following requirements: 1) the well shall provide a projection below the liquid surface; 2) the 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; 3) the gap between the pole wiper and the guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-half (1/2) inch. [District Rule 4623, Section 5.5.2.3] Federally Enforceable Through Title V Permit
11. The operator of tanks equipped with slotted sampling or gauging wells shall meet the following requirements: 1) the well shall provide a projection below the liquid surface; 2) the well shall be equipped with 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 one-eighth (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 ; 3) the gap between the pole wiper and the guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth (1/8) inch. [District Rule 4623, Section 5.5.2.4] Federally Enforceable Through Title V Permit
12. The operator 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. A minimum of four (4) 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, Section 6.1.1] Federally Enforceable Through Title V Permit
13. The operator of floating roof tanks shall submit a tank inspection plan to the APCO for approval. The plan shall include an inventory of the tanks subject to this rule and a tank inspection schedule. A copy of the operator's tank safety procedures shall be made available to the APCO upon request. The tank inventory shall include tank's identification number, Permit to Operate number, maximum tank design capacity, dimensions of tank (height and diameter), organic liquid stored, type of primary and secondary seal, type of floating roof (internal or external floating roof), construction date of tank, and location of tank. Any revision to a previously approved tank inspection schedule shall be submitted to the APCO for approval prior to conducting an inspection. [District Rule 4623, Section 6.1.2] Federally Enforceable Through Title V Permit
14. An operator of floating roof tanks shall; 1) 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; 2) 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 refloated. [District Rule 4623, Section 6.1.3.1] 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.

15. An operator shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of District Rule 4623, Section 6.1 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 District 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 District Rule 4623, Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and shall be made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule included in District Rule 4623, 6.3.5.1 through 6.3.5.6. [District Rule 4623, Section 6.3.5] Federally Enforceable Through Title V Permit
16. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, Section 6.4.2] Federally Enforceable Through Title V Permit
17. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, Section 6.4.3] Federally Enforceable Through Title V Permit
18. An operator shall maintain the records of the external floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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. The operator shall keep the records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request. [District Rule 4623, Section 6.3.7] Federally Enforceable Through Title V Permit
19. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
20. All covers, seals and lids covering openings in the roof used for sampling and gauging shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if one or more of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If none of the components of that type are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv and liquid leaks greater than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Inspection log required 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 2520, 9.4.2] 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:** N-2369-7-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

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1. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal roof shall be floating on the liquid surface except during initial fill and when the storage vessel is completely emptied or subsequently emptied and 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 it's legs, the permittee shall notify the APCO in writing at least five days prior to performing the work. [District Rule 4623] Federally Enforceable Through Title V Permit
2. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. 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
3. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. 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
4. The metallic shoe-type primary 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 14 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The geometry of the metallic shoe-type primary seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 14 inches in the vertical plane above the liquid. [District Rule 4623] Federally Enforceable Through Title V Permit
6. 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
7. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
8. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. All openings in the roof, except pressure-vacuum valves which shall be set according to section 5.2 of District Rule 4623 (Storage of Organic Liquids), 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 for sampling or gauging. [District Rule 4623] Federally Enforceable Through Title V Permit
10. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
11. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, combination manway/vacuum breakers, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use. [District Rule 4623] Federally Enforceable Through Title V Permit
13. 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
14. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or set to open at the manufacturer's recommended setting. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
17. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found are violations of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
19. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by District Rule 4623, no holes, tears, or other openings are allowed that would permit the of hydrocarbon vapors. Any defects found shall constitute a violation of District Rule 4623. [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.

20. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of District Rule 4623 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 District Rule 4623. The inspection report for tanks that have been determined to be in compliance with District Rule 4623 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 District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
21. The permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to District Rule 4623. The records shall include information on the true vapor pressure (TVP), API gravity, and 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. The permittee shall keep records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
22. All covers, seals and lids covering openings in the roof used for sampling and gauging shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if one or more of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If none of the components of that type are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv and liquid leaks greater than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Inspection log required 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, Section 6.4.2] Federally Enforceable Through Title V Permit
26. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, Section 6.4.3] 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:** N-2369-8-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

315,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

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1. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal roof shall be floating on the liquid surface except during initial fill and when the storage vessel is completely emptied or subsequently emptied and 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 days prior to performing the work. [District Rule 4623] Federally Enforceable Through Title V Permit
2. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. 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
3. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. 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
4. The metallic shoe-type primary 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 14 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The geometry of the metallic shoe-type primary seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 14 inches in the vertical plane above the liquid. [District Rule 4623] Federally Enforceable Through Title V Permit
6. 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
7. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
8. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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9. All openings in the roof, except pressure-vacuum valves which shall be set according to section 5.2 of District Rule 4623 (Storage of Organic Liquids), 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 for sampling or gauging. [District Rule 4623] Federally Enforceable Through Title V Permit
10. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
11. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, combination manway/vacuum breakers, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use. [District Rule 4623] Federally Enforceable Through Title V Permit
13. 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
14. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or set to open at the manufacturer's recommended setting. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
17. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found are violations of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
19. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by District Rule 4623, no holes, tears, or other openings are allowed that would permit the of hydrocarbon vapors. Any defects found shall constitute a violation of District Rule 4623. [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.

20. The permittee shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of District Rule 4623 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 District Rule 4623. The inspection report for tanks that that have been determined to be in compliance with District Rule 4623 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 District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
21. The permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to District Rule 4623. The records shall include information on the true vapor pressure (TVP), API gravity, and 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. The permittee shall keep records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
22. All covers, seals and lids covering openings in the roof used for sampling and gauging shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if one or more of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If none of the components of that type are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv and liquid leaks greater than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Inspection log required 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, Section 6.4.2] Federally Enforceable Through Title V Permit
26. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, Section 6.4.3] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-10-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

OIL/WATER SEPARATION SYSTEM: SUMP TANK #1

## PERMIT UNIT REQUIREMENTS

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1. The VOC emissions from the sump tanks (N-2369-10 and N-2369-11) and storage tanks (N-2369-12 and N-2369-13) shall not exceed 5 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All fires and/or product spills shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A monthly log of total volume of liquid handled by this system shall be maintained on the premises and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-11-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

OIL/WATER SEPARATION SYSTEM: SUMP TANK #2

## PERMIT UNIT REQUIREMENTS

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1. The VOC emissions from the sump tanks (N-2369-10 and N-2369-11) and storage tanks (N-2369-12 and N-2369-13) shall not exceed 5 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All fires and/or product spills shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A monthly log of total volume of liquid handled by this system shall be maintained on the premises and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-12-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY

## PERMIT UNIT REQUIREMENTS

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1. All emergency situations such as fires and/or significant product spills outside of primary containment shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Combined VOC emissions from the storage tanks permitted under N-2369-10, N-2369-11, N-2369-12, and N-2369-13 shall not exceed 5.0 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in a leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
4. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
5. Permittee shall maintain monthly records of liquid throughput, and shall keep accurate records of each organic liquid stored in the tank, including its storage temperature and true vapor pressure (TVP). [District Rule 4623] Federally Enforceable Through Title V Permit
6. 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
7. Pressure-vacuum (PV) relief valve shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if the pressure-vacuum relief valve is found to leak during an annual inspection, the inspection frequency shall be changed from annual to quarterly. If no leaks are found during four consecutive quarterly inspections, the inspection frequency may be changed from quarterly to annual. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this permit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Operator shall maintain an inspection log containing the following 1) Type of leak; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv or liquid leaks more than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-13-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7

## PERMIT UNIT REQUIREMENTS

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1. All emergency situations such as fires and/or significant product spills outside of primary containment shall be reported to the District immediately. [District NSR Rule] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in a leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
3. This tank shall not receive or store an organic liquid for more than 60 cumulative days during any 12-month period. [District Rule 4623] Federally Enforceable Through Title V Permit
4. Combined VOC emissions from the storage tanks permitted under N-2369-10, N-2369-11, N-2369-12, and N-2369-13 shall not exceed 5.0 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. When not in use as an emergency standby tank, this tank may be used to store petroleum-contaminated water. The VOC content of the petroleum-contaminated water shall be less than 35 milligrams per liter, as determined by EPA Test Method 413.2, or 418.1 and/or, if necessary, EPA Test Method 8240. Hydrocarbons heavier than C14, as determined by Test Method ASTM E 260-85, may be excluded from the total concentration. The VOC content of the petroleum-contaminated water stored in this tank shall be determined on a quarterly basis. [District NSR Rule and 4623] Federally Enforceable Through Title V Permit
6. Prior to return to Emergency Standby status, the organic liquid contents of this tank must be drained to the maximum extent feasible. After the tank has been used (filled or partially filled) and draining of the tank has begun, any further filling of the tank shall constitute a separate use of the tank, and the number of days shall be counted towards the 60 cumulative days limit. [District Rule 4623] Federally Enforceable Through Title V Permit
7. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records indicating the emergency use of the tank. The records shall show the date(s) the organic liquid is first introduced into the tank and the date(s) the tank is fully drained of organic liquid. [District Rule 4623] Federally Enforceable Through Title V Permit
9. Records of the amount of petroleum-contaminated water stored in this tank shall be maintained and updated monthly. Records of the VOC content of the petroleum-contaminated water shall be maintained and updated quarterly. [District NSR Rule] 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.

10. 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
11. Pressure-vacuum (PV) relief valve shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if the pressure-vacuum relief valve is found to leak during an annual inspection, the inspection frequency shall be changed from annual to quarterly. If no leaks are found during four consecutive quarterly inspections, the inspection frequency may be changed from quarterly to annual. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this permit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Operator shall maintain an inspection log containing the following 1) Type of leak; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv or liquid leaks more than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-14-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.7.4 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 5.7.2] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. NOx emissions shall not exceed 7.2 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions shall not exceed 0.16 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. CO emissions shall not exceed 2.54 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emissions rate shall not exceed 0.215 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule, District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rule 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702, 5.7.3] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] 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.

13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District 4702, 6.2 and 17 CCR 93115] 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:** N-2369-15-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

386,400 GALLON INTERNAL FLOATING ROOF GASOLINE AND ETHANOL STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL

## PERMIT UNIT REQUIREMENTS

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1. The primary resilient toroid seal shall be mounted on the perimeter of the roof such that it is in contact with the tank's liquid contents at all times while the roof is floating. [District Rule 4623, Section 5.3.2.3.1] Federally Enforceable Through Title V Permit
2. No gap between the tank shell and the primary seal shall exceed one-half (1/2) inch. The cumulative length of all primary seal gaps greater than one-eighth (1/8) inch shall not exceed five (5) percent of the tank circumference. No continuous gap greater than one-eighth (1/8) inch shall exceed ten (10) percent of the tank circumference. [District Rule 4623, Section 5.3.2.3.2] Federally Enforceable Through Title V Permit
3. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. The cumulative length of all gaps between the tank shell and the secondary seal, greater than one-eighth (1/8) inch shall not exceed five (5) percent of the tank circumference. [District Rule 4623, Section 5.3.2.3.3] Federally Enforceable Through Title V Permit
4. 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, Section 5.3.2.3.4] Federally Enforceable Through Title V Permit
5. The secondary seal shall allow easy insertion of probes up to one-half (1/2) inch in width in order to measure gaps in the primary seal. [District Rule 4623, Section 5.3.2.3.5] Federally Enforceable Through Title V Permit
6. The secondary seal shall extend from the roof of the tank to the shell and not be attached to the primary seal. [District Rule 4623, Section 5.3.2.3.6] Federally Enforceable Through Title V Permit
7. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit
8. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, combination manway/vacuum breakers, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use. [District Rule 4623] Federally Enforceable Through Title V Permit
9. 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
10. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or set to open at the manufacturer's recommended setting. [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.

11. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623] Federally Enforceable Through Title V Permit
13. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
14. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found are violations of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
15. All openings in the roof used for sampling or gauging, except pressure-vacuum valves which shall be set to within ten (10) percent 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. The cover, seal, or lid shall at all times be in a closed position, with no visible gaps and be leak-free, except when the device or appurtenance is in use for sampling or gauging. [District Rule 4623, Section 5.5.1] Federally Enforceable Through Title V Permit
16. 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 (referenced as methane) above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate or more than three drops per minute. [District Rule 4623] Federally Enforceable Through Title V Permit
17. The operator of tanks equipped with solid sampling or gauging wells, and similar fixed projections through a floating roof such as an anti-rotational pipe, shall meet the following requirements: 1) the well shall provide a projection below the liquid surface; 2) the 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; 3) the gap between the pole wiper and the guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-half (1/2) inch. [District Rule 4623, Section 5.5.2.3] Federally Enforceable Through Title V Permit
18. The operator of tanks equipped with slotted sampling or gauging wells shall meet the following requirements: 1) the well shall provide a projection below the liquid surface; 2) the gap between the pole wiper and the guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth (1/8) inch. [District Rule 4623, Section 5.5.2.4] Federally Enforceable Through Title V Permit
19. The operator of floating roof tanks shall submit a tank inspection plan to the APCO for approval. The plan shall include an inventory of the tanks subject to this rule and a tank inspection schedule. A copy of the operator's tank safety procedures shall be made available to the APCO upon request. The tank inventory shall include tank's identification number, Permit to Operate number, maximum tank design capacity, dimensions of tank (height and diameter), organic liquid stored, type of primary and secondary seal, type of floating roof (internal or external floating roof), construction date of tank, and location of tank. Any revision to a previously approved tank inspection schedule shall be submitted to the APCO for approval prior to conducting an inspection. [District Rule 4623, Section 6.1.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

20. An operator shall submit the reports of the floating roof tank inspections conducted in accordance with the requirements of District Rule 4623, Section 6.1 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 District 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 District Rule 4623, Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and shall be made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule included in District Rule 4623, 6.3.5.1 through 6.3.5.6. [District Rule 4623, Section 6.3.5] Federally Enforceable Through Title V Permit
21. An operator shall maintain the records of the internal floating roof landing activities that are performed pursuant to District Rule 4623, Section 5.3.1.3. The records shall include information on the TVP, API gravity, and 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. The operator shall keep the records at the facility (or on-site) for a period of five years. The records shall be made available to the APCO upon request. [District Rule 4623, Section 6.3.7] Federally Enforceable Through Title V Permit
22. All covers, seals and lids covering openings in the roof used for sampling and gauging shall be inspected annually by the facility operator to ensure compliance with the provisions of this permit. However, if one or more of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If none of the components of that type are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Gas leaks over 10,000 ppmv and liquid leaks greater than three drops per minute shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Inspection log required 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 (2000) e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)." Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623, Section 6.4.2] Federally Enforceable Through Title V Permit
26. Except for crude oil subject to District Rule 4623, Section 6.4.4, the TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D 323 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 20° up to 30° may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, Section 6.4.3] 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:** N-2369-18-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

TRUCK LOADING RACK (LANE #1) WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

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1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, 40 CFR 60.502(b) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2, 40 CFR 60.502(h) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.3 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.4] Federally Enforceable Through Title V Permit
12. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
15. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
16. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. [District Rule 4624, 6.2.2, 40 CFR 60.503 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
17. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
18. Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
19. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
21. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: San Joaquin County Rule 412. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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:** N-2369-19-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

TRUCK LOADING RACK (LANE #2) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

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1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, 40 CFR 60.502(b) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2, 40 CFR 60.502(h) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.3 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.4] Federally Enforceable Through Title V Permit
12. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
15. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
16. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. [District Rule 4624, 6.2.2, 40 CFR 60.503 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
17. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
18. Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
19. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
21. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: San Joaquin County Rule 412. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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:** N-2369-26-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER

## PERMIT UNIT REQUIREMENTS

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1. The stack temperature of the thermal oxidizer shall be at or above 400 degrees F within ten minutes of introducing vapors into the combustion chamber. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. The vapor recovery system shall be equipped with a system that automatically terminates vapor incineration if either the stack temperature of the thermal oxidizer drops below 400 degrees F or exceeds 2,000 degrees F. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. After termination of vapor incineration, vapor recovery system shall continue collecting displaced vapors in bladder mode until the bladder tank reaches high level. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall be equipped with a continuous stack temperature monitoring device. The operating temperature will be recorded once each work day during normal working hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
5. VOC emissions from the vapor recovery system shall not exceed 0.08 pounds per 1000 gallons of organic liquid. [40 CFR 60.502(b), District Rules 4624, 5.1.1, San Joaquin County Rule 412, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
6. Source testing to measure vapor recovery emissions shall be conducted at least once every twelve months. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. [District Rule 4624, 6.2.2 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
8. Records of the date, the time period and the reason that the thermal oxidizer is out service shall be kept. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
12. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2 and 40 CFR Part 64] 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:** N-2369-29-4

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

TRUCK LOADING RACK (LANE #3) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

## PERMIT UNIT REQUIREMENTS

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1. All vapors displaced during truck loading shall be vented to the vapor recovery system (N-2369-26). [District NSR Rule, District Rule 4624 and 40 CFR 60.502(a)] Federally Enforceable Through Title V Permit
2. No more than a total of 2,160,000 gallons of organic liquids shall be loaded through the truck loading arms on loading rack lanes #1 (N-2369-18), #2 (N-2369-19), and #3 (N-2369-29), combined in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [District Rule 4624, 5.1, 40 CFR 60.502(b) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2, 40 CFR 60.502(h) and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded. [District Rule 4624, 5.3 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
6. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. 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 organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
7. Construction, reconstruction (as defined in District Rule 4001), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
8. Each vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)] Federally Enforceable Through Title V Permit
9. No gasoline delivery vessel shall be operated or loaded unless valid State of California decals are displayed on the cargo tank, attesting to the vapor integrity of the tank as verified by annual performance of CARB required Certification and Test Procedures for Vapor Recovery Systems for Cargo Tanks. [District Rule 2520, 9.3.2 and 40 CFR 60.502(e)(2), (3), and (5)] Federally Enforceable Through Title V Permit
10. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound and smell methods. [40 CFR 60.502(j)] 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.

11. The owner or operator shall inspect the vapor collection system, the vapor disposal system, and each loading and unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rules 2520, 9.3.2 and 4624, 5.4] Federally Enforceable Through Title V Permit
12. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Each detected leak shall be repaired within 15 calendar days of detection. [40 CFR 60.502(j)] Federally Enforceable Through Title V Permit
15. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
16. VOC emissions from the vapor collection and control system shall be determined annually using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. [District Rule 4624, 6.2.2, 40 CFR 60.503 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
17. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of  $\pm 2.5$  mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.3.2 and 40CFR60.503(d)] Federally Enforceable Through Title V Permit
18. Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
19. A daily log of liquid throughput shall be kept on premises, and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.3.2 and 40CFR 60.505(c)] Federally Enforceable Through Title V Permit
21. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: San Joaquin County Rule 412. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of 40CFR60, Subpart XX. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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:** N-2369-30-2

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS

## PERMIT UNIT REQUIREMENTS

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1. The permittee shall not offload (i.e. receive) any organic liquids with True Vapor Pressure greater than 11 psia via the railcar offloading stations. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Each railcar offloading system shall be maintained and operated to minimize liquid component leaks. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Railcar tank hatches shall be closed at all times, except during railcar offloading. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The operator shall minimize emissions due to hose disconnection activity using the following procedures: 1) Verify the contents of the railcar have been completely emptied; 2) Verify the valve on the bottom of the railcar is in the closed position; 3) Disconnect the transfer hose from the railcar and empty residual product into the transfer pump by rolling the hose toward the transfer pump suction; 4) Close block valve at transfer pump suction; and 5) Tightly install hose cap on free end of hose. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The combined amount of organic liquids received shall not exceed 1,152,000 gallons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions shall not exceed 5.208 e-7 pounds per gallon of organic liquid received. [District NSR Rule] Federally Enforceable Through Title V Permit
7. During the railcar offloading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the offloading equipment. Leak inspections shall be conducted using sight, sound and smell methods. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. The owner or operator shall inspect each unloading rack handling organic liquids for leaks at least once every calendar quarter using a portable hydrocarbon detection instrument. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day in accordance with the procedures specified in EPA Method 21. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Corrective steps shall be taken any time the operator observes excess drainage of more than 2 liters (0.5 gallon) at transfer hose disconnect. In addition the operator shall perform and record the results of monthly drainage inspection at each transfer hose disconnect. If no excess drainage conditions are found during three consecutive monthly inspections, the drainage inspection frequency may be change from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of the combined quantity of organic liquids received shall be maintained and updated daily. [District NSR Rule and District Rule 1070] 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. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT C

Detailed Facility List

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**Detailed Facility Report**  
For Facility=2369 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

BP WEST COAST PRODUCTS, LLC 2700 W WASHINGTON STREET STOCKTON, CA 95203	FAC #	N 2369	TYPE:	TitleV	EXPIRE ON:	06/30/2009
	STATUS:	A	TOXIC ID:	20089	AREA:	9 /
	TELEPHONE:				INSP. DATE:	08/11

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-2369-5-2	1,000,000 gallons	3020-05 G	1	382.00	382.00	A	1,000,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #6 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL
N-2369-6-2	672,000 GALLONS	3020-05 F	1	301.00	301.00	A	672,000 GALLON EXTERNAL FLOATING ROOF GASOLINE STORAGE TANK #8 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL
N-2369-7-2	420,000 gallons	3020-05 E	1	246.00	246.00	A	420,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #4 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND RIM MOUNTED SECONDARY WIPER SEAL
N-2369-8-2	315,000 gallons	3020-05 E	1	246.00	246.00	A	315,000 GALLON INTERNAL FLOATING ROOF GASOLINE STORAGE TANK #2 UTILIZING A WELDED FLOATING ROOF WITH PRIMARY MECHANICAL SHOE SEAL AND SECONDARY WIPER SEAL
N-2369-10-2	3 HP	3020-01 A	1	87.00	87.00	A	OIL/WATER SEPARATION SYSTEM: SUMP TANK #1
N-2369-11-2	3 HP	3020-01 A	1	87.00	87.00	A	OIL/WATER SEPARATION SYSTEM: SUMP TANK #2
N-2369-12-2	2,630 gallons	3020-05 A	1	75.00	75.00	A	OIL/WATER SEPARATION SYSTEM: OIL/WATER SEPARATOR TANK, 2630 GALLON CAPACITY
N-2369-13-2	20,261 gallons	3020-05 C	1	135.00	135.00	A	LIQUID CONTAINMENT SYSTEM: COLLECTION SUMP WITH TRANSFER PUMP AND A 20,261 GALLON FIXED ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANK #7
N-2369-14-4	94 hp	3020-10 A	1	80.00	80.00	A	94 BHP KOMATSU NON-CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ONAN MODEL 75DVB-15R/28459A ELECTRICAL GENERATOR
N-2369-15-2	386,400 GALLONS	3020-05 E	1	246.00	246.00	A	386,400 GALLON INTERNAL FLOATING ROOF GASOLINE AND ETHANOL STORAGE TANK #3 UTILIZING A WELDED FLOATING ROOF WITH A TOROID PRIMARY SEAL AND A RIM MOUNTED SECONDARY WIPER SEAL
N-2369-18-4	MISCELLANEOUS	3020-06	1	105.00	105.00	A	TRUCK LOADING RACK (LANE #1) WITH ONE LOADING ARM VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)
N-2369-19-4	MISCELLANEOUS	3020-06	1	105.00	105.00	A	TRUCK LOADING RACK (LANE #2) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)
N-2369-26-4	54 KBTU/HR BURNER (PILOT)	3020-02 A	1	87.00	87.00	A	VAPOR RECOVERY SYSTEM CONSISTING OF A VAPOR HOLDING TANK AND A JOHN ZINK MODEL #ZCS THERMAL OXIDIZER
N-2369-29-4	MISCELLANEOUS	3020-06	1	105.00	105.00	A	TRUCK LOADING RACK (LANE #3) WITH TWO LOADING ARMS VENTED TO THE VAPOR RECOVERY SYSTEM (N-2369-26)

**Detailed Facility Report**  
For Facility=2369 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-2369-30-2	30 hp	3020-01 B	1	117.00	117.00	A	BULK OFFLOADING OPERATION WITH FOUR ORGANIC LIQUID RAILCAR OFFLOADING STATIONS
N-2369-31-1	16,000 gallons	3020-05 B	1	93.00	93.00	A	TWO 8,000 GALLON FIXED-ROOF PETROLEUM-CONTAMINATED WATER/EMERGENCY STANDBY ORGANIC LIQUID STORAGE TANKS AND A PERMIT-EXEMPT PROCESSED WATER TANK. THE TANKS ARE SERVED BY A CARBON ADSORPTION SYSTEM. THESE TANKS SERVE AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) FOR PERMITS N-2369-12 AND N-2369-13 TO ALLOW THE INSPECTION AND/OR REPAIR OF TANK 7 PERMITTED UNDER N-2369-13.

Number of Facilities Reported: 1