



MAY 04 2011

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

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

Dear Mr. Rios:

The District has issued the Final Title V Permit Renewal for BP West Coast Products, Inc. The preliminary decision for this project was made on March 15, 2011. A summary of the comments and the District's response to each comment is included with the Renewed Final Title V Permit and public notice to be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. We appreciate your concurrence with this action. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,



David Warner  
Director of Permit Services

**Attachments**

cc: Vanesa Gonzalez, Permit Services Engineer

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

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

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

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



MAY 04 2011

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

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

Dear Mr. Tollstrup:

The District has issued the Final Title V Permit for BP West Coast Products, Inc. The preliminary decision for this project was made on March 15, 2011. A summary of the comments and the District's response to each comment is included with the Renewed Final Title V Permit and public notice to be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

Attachments

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MAY 04 2011

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

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

Dear Ms. Skryja:

The District has issued the Final Title V Permit for BP West Coast Products, Inc. The preliminary decision for this project was made on March 15, 2011. A summary of the comments and the District's response to each comment is included with the Renewed Final Title V Permit and public notice to be published approximately three days from the date of this letter.

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

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Vanesa Gonzalez, Permit Services Engineer

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

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**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT  
NOTICE OF FINAL DECISION TO ISSUE  
RENEWED FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to BP West Coast Products, Inc for its organic liquid loading facility at 2700 West 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. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

## **Facility Comments/District Response**

BP West Coast Products LLC submitted comments on April 13, 2011 in response to the Districts Preliminary Decision on their Title V Renewal. The letter received with the comments is available at the District.

### **N-2369-6-3**

#### **Comment #1**

Permit Unit #N-2369-6-3, condition 29 references internal floating roof landing activities. However, Unit #N-2369-6-3 is an external floating roof tank. Please correct this condition to accurately reflect the type of floating roof associated with this unit.

#### **District Response**

Condition #29 was inadvertently added to the permit. Therefore, condition #29 has been removed from the permit requirements.

### **N-2369-30-3**

#### **Comment #2**

Condition 8 references the inspection of the vapor collection system associated with the railcar offloading stations. The railcar offloading stations do not have a vapor collection system and this requirement is not applicable to this site. Please remove this requirement.

#### **District Response**

Condition 8 was inadvertently added during the Title V Renewal process. This condition has been removed from the permit requirements for this unit.



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** N-2369

**EXPIRATION DATE:** 06/30/2015

**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-2369-0-2

EXPIRATION DATE: 06/30/2015

## 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 (12/20/07). [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, 9.9.1 and 9.13.1] 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-2369-0-2 : Apr 27 2011 3:32PM - 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 (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

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 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. 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. 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. 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 Part 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 Part 82, Subpart B. [40 CFR Part 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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. 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. 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), 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. 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. 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-2369-5-4

**EXPIRATION DATE:** 06/30/2015

**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. 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

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

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.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-6-3

**EXPIRATION DATE:** 06/30/2015

**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. 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 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
30. 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
31. 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
32. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-7-4

**EXPIRATION DATE:** 06/30/2015

**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. 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

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

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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-8-5

**EXPIRATION DATE:** 06/30/2015

**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

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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

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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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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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

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# San Joaquin Valley Air Pollution Control District

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

**EXPIRATION DATE:** 06/30/2015

**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-2369-11-3

**EXPIRATION DATE:** 06/30/2015

**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

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:** 06/30/2015

**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. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-13-4

**EXPIRATION DATE:** 06/30/2015

**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, 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-14-5

**EXPIRATION DATE:** 06/30/2015

**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
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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-15-4

**EXPIRATION DATE:** 06/30/2015

**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

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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

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.

# San Joaquin Valley Air Pollution Control District

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

**EXPIRATION DATE:** 06/30/2015

**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, 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. 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. 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. 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. 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:** 06/30/2015

**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, 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. 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. 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. 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. 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-26-5

**EXPIRATION DATE:** 06/30/2015

**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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-29-5

**EXPIRATION DATE:** 06/30/2015

**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, 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

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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. 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. 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. 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. 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-30-3

**EXPIRATION DATE:** 06/30/2015

**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. 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
9. 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,] Federally Enforceable Through Title V Permit
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. 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
12. 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
13. 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-2369-31-2

**EXPIRATION DATE:** 06/30/2015

**EQUIPMENT DESCRIPTION:**

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

## 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 2201 Rule] Federally Enforceable Through Title V Permit
2. The rental tanks must be removed from service in less than 180 days from the implementation date (startup date of the rental tanks) of this Authority to Construct, but not later than January 10, 2011. The permittee shall maintain records indicating the implementation date and days of operation of this TREU at this facility. [District Rules 2201 and 4623, 4.2.2] Federally Enforceable Through Title V Permit
3. The rental tanks shall be vented to the carbon adsorption system, which has at least two 2,000-pounds activated carbon containing canisters connected in series configuration. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The control efficiency of the carbon adsorption system shall be at least 95%. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The permittee shall replace the used carbon canister when the combined organic liquid storage time for the rental tanks reaches 144 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The rental tanks shall be maintained in a leak-free condition. [District Rule 2201] 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. During emergency organic liquid storage, the Reid Vapor Pressure (RVP) shall not exceed the following limits: RVP = 10 for winter months (October 1st to March 1st) and RVP = 7 for summer months (April 1st to September 30th). [District Rule 2201] Federally Enforceable Through Title V Permit
9. The rental tanks may be used for emergency organic liquid storage not to exceed a total of 60 days in a 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The combined VOC emissions from the rental tanks shall not exceed 3.6 pounds per day or 648 pounds per year. [District 2201 Rule] Federally Enforceable Through Title V Permit
11. The daily throughput of organic liquid and/or petroleum-contaminated water shall not exceed 8,000 gallons for each rental tank. [District Rule 2201] 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 operator shall keep records of the date(s) organic liquid or petroleum-contaminated water is first introduced in each tank, the date(s) when each tank is fully drained, and records of the duration of time that each tank is used. [District Rule 4623, 6.3.3] Federally Enforceable Through Title V Permit
13. 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
14. 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
15. 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

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