



MAR 16 2010

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 - Minor Title V Permit Modification
District Facility # N-829
Project # N-1091344**

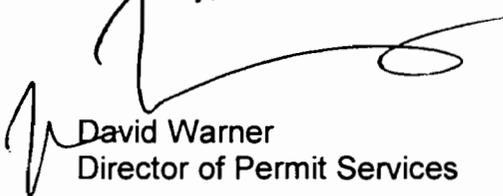
Dear Mr. Rios:

The Air Pollution Control Officer has modified the Title V permit for Nustar Terminal Operators by incorporating Authority to Construct #N-829-31-2. This modification increases the true vapor pressure, remove the temperature limit, and establish monthly throughput limit to an organic liquid storage tank.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on July 24, 2009. No comments were received following the District's preliminary decision on this project.

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

Sincerely,



David Warner
Director of Permit Services

DW:mk

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
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Mike Poirier
Nustar Terminal Operators
2368 Maritime Dr
Elk Grove, CA 95758

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District Facility # N-829
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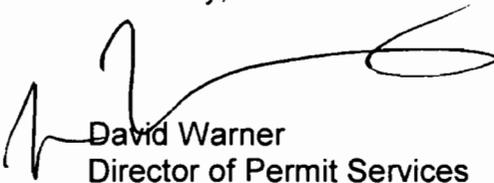
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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-829-31-3

EXPIRATION DATE: 11/30/2009

EQUIPMENT DESCRIPTION:

1,386,000 GALLON WELDED INTERNAL FLOATING ROOF TANK (#33007) WITH A MINI SHOE PRIMARY SEAL, A VAPORFLEX SECONDARY SEAL, AND A SLOTTED GUIDEPOLE

PERMIT UNIT REQUIREMENTS

1. Only denatured ethanol (97.5% or more by weight ethanol, 2.5% or less by weight gasoline) shall be stored in this tank. The permittee shall maintain sufficient records to demonstrate compliance with this condition. [District Rules 2201 and 4102]
2. True vapor pressure (TVP) of the organic liquid stored in the tank shall not exceed 2.8 psia. [District Rule 2201]
3. VOC emissions shall not exceed 7.1 pounds in any one day. [District Rule 2201]
4. The daily throughput of the organic liquid shall not exceed 1,386,000 gallons. [District Rule 2201]
5. The monthly throughput of the organic liquid shall not exceed 5,544,000 gallons. [District Rule 2201]
6. The permittee shall record TVP and the temperature of the organic liquid stored on monthly basis. [District Rule 2201]
7. 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 Section 5.4.3, 40 CFR 60.112b(a)(1)(i)] Federally Enforceable Through Title V Permit
8. No gap between the tank shell and the primary seal shall exceed one and one-half (1-1/2) inches. [District Rule 4653 Sections 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
9. 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 Sections 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
10. 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 Sections 5.3.2.1.1 and 5.4.1] Federally Enforceable Through Title V Permit
11. No gap between the tank shell and the secondary seal shall exceed one-half (1/2) inch. [District Rule 4623 Sections 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
12. 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 Sections 5.3.2.1.2 and 5.4.1] Federally Enforceable Through Title V Permit
13. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above the stored liquid surface. [District Rule 4623 Section 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.

14. 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 Sections 5.3.2.1.4 and 5.4.1] Federally Enforceable Through Title V Permit
15. 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 Sections 5.3.2.1.5 and 5.4.1] Federally Enforceable Through Title V Permit
16. 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 Sections 5.3.2.1.6 and 5.4.1] Federally Enforceable Through Title V Permit
17. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623 Sections 5.3.2.1.7 and 5.4.1] Federally Enforceable Through Title V Permit
18. 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 gas tight, except when the device or appurtenance is in use. [District Rule 4623 Section 5.5.1] Federally Enforceable Through Title V Permit
19. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, as methane, above background as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623 Sections 3.11, 5.1.3, and 6.4.8] Federally Enforceable Through Title V Permit
20. 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 Section 5.5.2.1.1, 40 CFR 60.112b(a)(1)(iii)] Federally Enforceable Through Title V Permit
21. 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 Section 5.5.2.1.2, 40 CFR 60.112b(a)(1)(iv)] Federally Enforceable Through Title V Permit
22. 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 Section 5.5.2.1.3, 40 CFR 60.112b(a)(1)(v)] Federally Enforceable Through Title V Permit
23. 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 Section 5.5.2.1.4, 40 CFR 60.112b(a)(1)(vi)]
24. 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 Section 5.5.2.1.5, 40 CFR 60.112b(a)(1)(vii)] Federally Enforceable Through Title V Permit
25. 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 Section 5.5.2.1.6, 40 CFR 60.112b(a)(1)(viii)] Federally Enforceable Through Title V Permit
26. 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
27. 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 Section 5.5.2.4.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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28. 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 Section 5.5.2.4.3] Federally Enforceable Through Title V Permit
29. 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 there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., the operator shall repair the defects before filling the tank. [District Rule 4623 Section 6.1.4.1, 40 CFR 60.113b(a)(1)] Federally Enforceable Through Title V Permit
30. 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 Section 6.1.4.2, 40 CFR 60.113b(a)(2)] Federally Enforceable Through Title V Permit
31. 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 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
32. 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 Section 6.1.4.3] Federally Enforceable Through Title V Permit
33. The permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of 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) Gas-tight status of the tank and floating roof deck fittings. Records of the gas-tight 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 Section 6.3.5] Federally Enforceable Through Title V Permit
34. Permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623 Section 6.3.7] Federally Enforceable Through Title V Permit
35. The permittee shall notify the District in writing at least 30 days prior to conduct the visual inspection of the storage vessel, so the District can arrange an observer. [40 CFR 60.113b(a)(5)] Federally Enforceable Through Title V Permit
36. The permittee shall maintain records of daily, monthly, cumulative annual organic liquid throughput in gallons. The cumulative annual records shall be updated weekly. [District Rule 2201]
37. The permittee shall maintain records of TVP tests and the temperature of the organic liquid stored in the tank. [District Rule 2201]

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38. 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] Federally Enforceable Through Title V Permit

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