

January 5, 2021

Ms. Sheary Culp  
NuStar Terminal Operations Partnership, LP  
9280 W Stockton Blvd Ste 220  
Elk Grove, CA 95758

**Re: Final - Authorities to Construct / Certificates of Conformity (Significant Mod)**  
**Facility Number: N-829**  
**Project Number: N-1181193**

Dear Ms. Culp:

The Air Pollution Control Officer has issued Authorities to Construct (ATCs) N-829-1-10, '-2-9, -16-10, -20-9, '-21-5, '-28-6, '-29-7 with Certificates of Conformity to NuStar Terminal Operations Partnership, LP at 2941 Navy Drive, Stockton, CA. This project is to modify the bulk terminal to receive, store, and loadout ethanol fuel. Enclosed are the ATCs and a copy of the notice of final action that has been posted on the District's website ([www.valleyair.org](http://www.valleyair.org)).

Notice of the District's preliminary decision to issue the ATCs was posted on November 18, 2020. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on November 18, 2020. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Prior to operating with the modifications authorized by the ATCs, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5. Application forms are found on the District's website at [www.valleyair.org/permits/TVforms](http://www.valleyair.org/permits/TVforms).

**Samir Sheikh**  
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

Ms. Sheary Culp  
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Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,

A handwritten signature in blue ink, appearing to read "Arnaud Marjollet".

Arnaud Marjollet  
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email  
cc: Gerardo C. Rios, EPA (w/enclosure) via EPS



Facility # N-829  
NUSTAR TERMINALS OPS PARTNERSHIP LP  
9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

## **AUTHORITY TO CONSTRUCT (ATC)**

### **QUICK START GUIDE**

1. **Pay Invoice:** Please pay enclosed invoice before due date.
2. **Modify Your Title V Permit.** Prior to operating the equipment authorized under this ATC, submit an application to modify your Title V permit. See application forms at <http://www.valleyair.org/permits/TVforms>.
3. **Fully Understand ATC:** Make sure you understand ALL conditions in the ATC prior to construction, modification and/or operation.
4. **Follow ATC:** You must construct, modify and/or operate your equipment as specified on the ATC. Any unspecified changes may require a new ATC.
5. **Notify District:** You must notify the District's Compliance Department, at the telephone numbers below, upon start-up and/or operation under the ATC. Please record the date construction or modification commenced and the date the equipment began operation under the ATC. You may NOT operate your equipment until you have notified the District's Compliance Department. A startup inspection may be required prior to receiving your Permit to Operate.
6. **Source Test:** Schedule and perform any required source testing. See [http://www.valleyair.org/busind/comply/source\\_testing.htm](http://www.valleyair.org/busind/comply/source_testing.htm) for source testing resources.
7. **Maintain Records:** Maintain all records required by ATC. Records are reviewed during every inspection (or upon request) and must be retained for at least 5 years. Sample record keeping forms can be found at [http://www.valleyair.org/busind/comply/compliance\\_forms.htm](http://www.valleyair.org/busind/comply/compliance_forms.htm).

By operating in compliance, you are doing your part to improve air quality for all Valley residents.

**For assistance, please contact District Compliance staff at  
any of the telephone numbers listed below.**

**Samir Sheikh**

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

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**Southern Region**

34946 Flyover Court

Bakersfield, CA 93308-9725

Tel: (661) 392-5500 FAX: (661) 392-5585

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-1-10

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF FOUR LANE TRUCK LOADING RACK (NORTH) CONSISTING OF 7 GASOLINE LOADING ARMS, 3 DIESEL/BIODIESEL LOADING ARMS, AND 1 BIODIESEL LOADING ARM, A BIODIESEL LOADING PUMP, AND A 2-STREAM BLEND SKID: INSTALL 1 ETHANOL LOADING PUMP, FUGITIVE COMPONENTS, AND ASSOCIATED PIPELINES.

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-1-10 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required

5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NO<sub>x</sub> reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc., associated with this permit unit shall not exceed 292 pounds in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined quantity of organic liquids (as defined in District Rule 4624) loaded through permit units N-829-1 and N-829-2 shall not exceed 2,071,233 gallons in any one day and 756,000,000 gallons in any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined maximum number of organic liquid hose disconnections performed by permit units N-829-1 and N-829-2 shall not exceed 2,072 disconnects in any one day and 756,000 disconnects in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The VOC emission rate from each organic liquid hose disconnect shall not exceed 0.0143 pounds per disconnect. {The VOC emissions rate from each disconnect shall be calculated as follows: VOC emissions rate (lb/disconnect) = volume of organic liquid/disconnect x organic liquid density (lb/gal) x (1 gal/3785.41 mL)}. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The loading rack shall be equipped with bottom loading equipment, dry break couplers, and a vapor collection and control system such that the VOC emissions shall not exceed 0.015 pounds per 1,000 gallons of organic liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All vapors displaced from tank truck loading shall be vented to the vapor combustion system under permit unit N-829-20. [District Rule 2201 and 40 CFR Part 60.502(a), (f), and (g)] Federally Enforceable Through Title V Permit
17. The vapor collection system shall be operated in a manner to prevent any organic vapors collected at one loading rack from passing to another loading rack. [40 CFR Part 60.502(d) and 40 CFR Part 63.11088(a)] Federally Enforceable Through Title V Permit
18. Gasoline shall be loaded only into vapor-tight tank trucks. [40 CFR Part 60.502(e) and 40 CFR Part 63.11088(a)] Federally Enforceable Through Title V Permit
19. The facility shall obtain the vapor tightness documentation specified in 40 CFR Part 60.505(b) for each gasoline tank truck that is to be loaded at the facility. [40 CFR Part 60.502(e)(1)] Federally Enforceable Through Title V Permit
20. The vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624 and 40 CFR Part 60.502(h)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 pounds per 1,000 gallons of organic liquid loaded and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624] Federally Enforceable Through Title V Permit
22. The vapor collection system, the vapor destruction device, and each transfer rack handling organic liquids shall be tested for leaks at least once every calendar quarter with using a portable hydrocarbon analyzer in accordance with EPA Method 21. [District Rule 4624] Federally Enforceable Through Title V Permit
23. Loading and vapor collection and control equipment shall be maintained and operated such that there are no leaks and is no excess organic liquid drainage during disconnections. A leak is 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 the surface of the component interface from the potential source in accordance with EPA Method 21. Excess organic liquid drainage is defined as an average of more than 10 milliliters liquid drainage per disconnect from three consecutive disconnects. [District Rule 4624] Federally Enforceable Through Title V Permit
24. The equipment that are found leaking shall be repaired or replaced within 72 hours after detecting the leakage. 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] Federally Enforceable Through Title V Permit
25. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for organic liquid and organic vapor leaks. For the purpose of this condition, detection methods incorporating sight, sound and smell are acceptable. [40 CFR Part 60.502(j) and 40 CFR Part 63.11089(a)] Federally Enforceable Through Title V Permit
26. An operator or owner may apply for a written approval from the APCO to change the EPA Method 21 leak inspection frequency from quarterly to annually provided no leaks were found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection, the inspection frequency shall revert back to quarterly, and the operator shall contact the APCO in writing within 14 days. [District Rule 4624] Federally Enforceable Through Title V Permit
27. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR Part 63.11089(b) and 40 CFR Part 63.11094(d)] Federally Enforceable Through Title V Permit
28. Each calendar month, liquid drainage at disconnect of each loading arm shall be determined, and appropriate action shall be taken in case excess liquid drainage occurs from any 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] Federally Enforceable Through Title V Permit
29. Liquid drainage inspections shall be completed after midnight and before 10:00 AM the day of inspection. 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 minute of collection. [District Rule 2520] Federally Enforceable Through Title V Permit
30. 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] Federally Enforceable Through Title V Permit
31. Documentation attesting to the vapor tightness of each truck loaded with gasoline shall be kept. The documentation file for each tank truck shall be updated at least once per year to reflect the current test results as determined by EPA method 27. [40 CFR Part 60.505(a) and (b), and 40 CFR Part 63.11094(b)] Federally Enforceable Through Title V Permit

32. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 3 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [District Rule 4624, 40 CFR Part 60.505(c), 40 CFR Part 63.11089(g), 40 CFR Part 11094(e), and 40 CFR Part 63.11095(a)(3)] Federally Enforceable Through Title V Permit
33. The owner or operator shall submit a semi-annual compliance report that includes each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [40 CFR Part 63.11088(f) and 40 CFR Part 63.11095(a)(2)] Federally Enforceable Through Title V Permit
34. The owner or operator shall keep records of the daily and cumulative annual (on a rolling 12-month period) organic liquids throughput, in gallons from permit units N-829-1 and N-829-2. The cumulative annual records shall be updated at least weekly. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the daily and cumulative annual (on a rolling 12-month period) number of organic liquid hose disconnection from permit units N-829-1 and N-829-2. The cumulative annual records shall be updated at least weekly. As part of the recordkeeping log, the owner or operator may establish a correlation between the organic liquid throughput and the number of disconnects based on the volume of trucks loaded and the number of disconnects per truck. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The owner or operator shall maintain records sufficient to demonstrate compliance with each emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
37. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, or EPA inspection upon request. [District Rules 1070, 2201, 4624, and 40 CFR Part 60.505, and 40 CFR Part 63.11094(a)] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-2-10

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF FOUR LANE TRUCK LOADING RACK (SOUTH) CONSISTING OF 4 GASOLINE LOADING ARMS, 4 DIESEL/BIODIESEL LOADING ARMS, A BIODIESEL LOADING PUMP, A 4-STREAM BLEND SKID, AND A BIODIESEL TRUCK OFF-LOADING PUMP: INSTALL 3 ETHANOL LOADING PUMPS, FUGITIVE COMPONENTS, AND ASSOCIATED PIPELINES.

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-2-10 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required



5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NOx reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc., associated with this permit unit shall not exceed 329 pounds in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined quantity of organic liquids (as defined in District Rule 4624) loaded through permit units N-829-1 and N-829-2 shall not exceed 2,071,233 gallons in any one day and 756,000,000 gallons in any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined maximum number of organic liquid hose disconnections performed by permit units N-829-1 and N-829-2 shall not exceed 2,072 disconnects in any one day and 756,000 disconnects in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The VOC emission rate from each organic liquid hose disconnect shall not exceed 0.0143 pounds per disconnect. {The VOC emissions rate from each disconnect shall be calculated as follows: VOC emissions rate (lb/disconnect) = volume of organic liquid/disconnect x organic liquid density (lb/gal) x (1 gal/3785.41 mL)}. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The loading rack shall be equipped with bottom loading equipment, dry break couplers, and a vapor collection and control system such that the VOC emissions shall not exceed 0.015 pounds per 1,000 gallons of organic liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All vapors displaced from tank truck loading shall be vented to the vapor combustion system under permit unit N-829-20. [District Rule 2201 and 40 CFR Part 60.502(a), (f), and (g)] Federally Enforceable Through Title V Permit
17. The vapor collection system shall be operated in a manner to prevent any organic vapors collected at one loading rack from passing to another loading rack. [40 CFR Part 60.502(d) and 40 CFR Part 63.11088(a)] Federally Enforceable Through Title V Permit
18. Gasoline shall be loaded only into vapor-tight tank trucks. [40 CFR Part 60.502(e) and 40 CFR Part 63.11088(a)] Federally Enforceable Through Title V Permit
19. The facility shall obtain the vapor tightness documentation specified in 40 CFR Part 60.505(b) for each gasoline tank truck that is to be loaded at the facility. [40 CFR Part 60.502(e)(1)] Federally Enforceable Through Title V Permit
20. The vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624 and 40 CFR Part 60.502(h)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 pounds per 1,000 gallons of organic liquid loaded and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624] Federally Enforceable Through Title V Permit
22. The vapor collection system, the vapor destruction device, and each transfer rack handling organic liquids shall be tested for leaks at least once every calendar quarter with using a portable hydrocarbon analyzer in accordance with EPA Method 21. [District Rule 4624] Federally Enforceable Through Title V Permit
23. Loading and vapor collection and control equipment shall be maintained and operated such that there are no leaks and is no excess organic liquid drainage during disconnections. A leak is 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 the surface of the component interface from the potential source in accordance with EPA Method 21. Excess organic liquid drainage is defined as an average of more than 10 milliliters liquid drainage per disconnect from three consecutive disconnects. [District Rule 4624] Federally Enforceable Through Title V Permit
24. The equipment that are found leaking shall be repaired or replaced within 72 hours after detecting the leakage. 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] Federally Enforceable Through Title V Permit
25. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for organic liquid and organic vapor leaks. For the purpose of this condition, detection methods incorporating sight, sound and smell are acceptable. [40 CFR Part 60.502(j) and 40 CFR Part 63.11089(a)] Federally Enforceable Through Title V Permit
26. An operator or owner may apply for a written approval from the APCO to change the EPA Method 21 leak inspection frequency from quarterly to annually provided no leaks were found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection, the inspection frequency shall revert back to quarterly, and the operator shall contact the APCO in writing within 14 days. [District Rule 4624] Federally Enforceable Through Title V Permit
27. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR Part 63.11089(b) and 40 CFR Part 63.11094(d)] Federally Enforceable Through Title V Permit
28. Each calendar month, liquid drainage at disconnect of each loading arm shall be determined, and appropriate action shall be taken in case excess liquid drainage occurs from any 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] Federally Enforceable Through Title V Permit
29. Liquid drainage inspections shall be completed after midnight and before 10:00 AM the day of inspection. 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 minute of collection. [District Rule 2520] Federally Enforceable Through Title V Permit
30. 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] Federally Enforceable Through Title V Permit
31. Documentation attesting to the vapor tightness of each truck loaded with gasoline shall be kept. The documentation file for each tank truck shall be updated at least once per year to reflect the current test results as determined by EPA method 27. [40 CFR Part 60.505(a) and (b), and 40 CFR Part 63.11094(b)] Federally Enforceable Through Title V Permit

32. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 3 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [District Rule 4624, 40 CFR Part 60.505(c), 40 CFR Part 63.11089(g), 40 CFR Part 11094(e), and 40 CFR Part 63.11095(a)(3)] Federally Enforceable Through Title V Permit
33. The owner or operator shall submit a semi-annual compliance report that includes each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [40 CFR Part 63.11088(f) and 40 CFR Part 63.11095(a)(2)] Federally Enforceable Through Title V Permit
34. The owner or operator shall keep records of the daily and cumulative annual (on a rolling 12-month period) organic liquids throughput, in gallons from permit units N-829-1 and N-829-2. The cumulative annual records shall be updated at least weekly. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the daily and cumulative annual (on a rolling 12-month period) number of organic liquid hose disconnection from permit units N-829-1 and N-829-2. The cumulative annual records shall be updated at least weekly. As part of the recordkeeping log, the owner or operator may establish a correlation between the organic liquid throughput and the number of disconnects based on the volume of trucks loaded and the number of disconnects per truck. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The owner or operator shall maintain records sufficient to demonstrate compliance with each emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
37. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, or EPA inspection upon request. [District Rules 1070, 2201, 4624, and 40 CFR Part 60.505, and 40 CFR Part 63.11094(a)] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-16-8

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 1,386,000 GALLON INTERNAL FLOATING ROOF MECHANICALLY FASTENED DECK AND WELDED GASOLINE STORAGE TANK (#3301) WITH A MECHANICAL SHOE PRIMARY SEAL AND A WIPER SECONDARY SEAL: SPECIFY THE TANK BE USED TO STORE GASOLINE; INSTALL FUGITIVE COMPONENTS; AND ESTABLISH AN ANNUAL ORGANIC LIQUID THROUGHPUT LIMIT OF 252,000,000 GALLONS

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-16-8 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required

5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NOx reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Total VOC emissions from this permit shall not exceed 17.1 pounds in any one day and 1,697 pounds in any one rolling 12-month period. {Total VOC emissions shall be calculated as follow: Total VOC emissions = Tank VOC emissions + Fugitive Components emissions}. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The quantity of organic liquid loaded into this tank shall not exceed 5,040,000 gallons in any one day and 252,000,000 gallons in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 73 pounds in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
15. True vapor pressure of the organic liquid stored shall be less than 11 psia. [District Rule 4623] Federally Enforceable Through Title V Permit
16. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
17. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
19. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
20. The cumulative length all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
21. 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] Federally Enforceable Through Title V Permit
22. 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] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
24. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
25. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
26. The internal 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, and for tank interior cleaning, and during tank repair and maintenance activities. When the roof is resting on the leg supports the processes of filling or emptying and refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land the roof on its legs. [District Rules 2020, 2201, and 4623, 40 CFR 60.112b(a)(1)(i), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
27. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
28. 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 drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
29. 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, 40 CFR 60.112b(a)(1)(iii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
30. 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, 40 CFR 60.112b(a)(1)(iv), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
31. 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, 40 CFR 60.112b(a)(1)(v), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
32. 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, 40 CFR 60.112b(a)(1)(vi), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
33. 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, 40 CFR 60.112b(a)(1)(vii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
34. 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, 40 CFR 60.112b(a)(1)(viii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

35. 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) and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
36. Slotted sampling or gauging wells shall meet the following requirements: 1) The well shall provide a projection below the liquid surface; 2) The well shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed one-eighth (1/8) inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface; and 3) The gap between the pole wiper and the guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth (1/8) inch. [District Rule 4623] Federally Enforceable Through Title V Permit
37. If the owner or operator elects to participate in the voluntary preventative inspection, maintenance, and interior tank cleaning program, then they shall comply with all the applicable requirements of Section 5.7 of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
38. The owner or operator shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623, 40 CFR 60.113b(a)(1), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
39. The owner or operator 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, 40 CFR 60.113b(a)(2), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
40. The owner or operator 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 and 40 CFR 63.11087(c)] Federally Enforceable Through Title V Permit
41. 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 owner or operator 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), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
42. The owner or operator shall notify the District in writing at least 30 days prior to conducting the visual inspection of the storage vessel, so the District can arrange an observer. [40 CFR 60.113b(a)(5), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit

43. The owner or operator 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 the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) 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). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken. [District Rule 4623, 40 CFR 60.115b(a), and 40 CFR 63.11087(e)] Federally Enforceable Through Title V Permit
44. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit
45. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit
46. The owner or operator shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank. [40 CFR 60.113b(a)(4), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
47. Each detection of a liquid or vapor leak shall be recorded in the log. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(c) and (d), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
48. The owner or operator shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District. [40 CFR 63.11095(a)] Federally Enforceable Through Title V Permit
49. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [40 CFR 63.11089(g), 40 CFR 63.11094(e), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
50. The owner or operator shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report. [40 CFR 63.11095(b)(5)] Federally Enforceable Through Title V Permit
51. The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source. [40 CFR 60.116b(b)] Federally Enforceable Through Title V Permit



52. The owner or operator shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature. TVP could also be determined using the calculation methodology listed in Appendix A or Appendix B of District Rule 4623, depending on the liquid stored. [District Rule 2201 and 40 CFR 60.116b(c)] Federally Enforceable Through Title V Permit
53. The owner or operator shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Section 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
54. The owner or operator shall keep daily and cumulative annual records on a rolling 12-month period of the quantity of organic liquid loaded into the tank, in gallons. This record shall be updated at least weekly. [District Rule 2201] Federally Enforceable Through Title V Permit
55. The owner or operator shall maintain records sufficient to demonstrate compliance with each emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations/modeling. [District Rule 2201] Federally Enforceable Through Title V Permit
56. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201, and 4623, 40 CFR 60.116b(a), and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit
57. If the permittee has degassed the storage tank pursuant to the provisions of Section 5.7.5 of Rule 4623, and the organic liquid stored in the tank has a TVP less than 0.5 psia, as determined by Appendix A of Rule 4623, the tank shall not be required to comply with the requirements listed in conditions 14 through 36 and 38 through 51 of this permit. The permittee shall maintain records of the organic liquid stored in the tank and the storage temperature to demonstrate that the TVP is less than 0.5 psia. Records will be maintained by the permittee according to Condition 57. [District Rule 4623] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-20-11

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF VAPOR COMBUSTION SYSTEM CONSISTING OF A 300,000 GALLON VAPOR HOLDING TANK, A VAPOR PROCESSING AND CONVEYING SYSTEM, AND A 40 MMBTU/HR PROPANE FIRED JOHN ZINK ZCT-2-8-35-X-2/8-X VAPOR COMBUSTION UNIT (VCU): REDUCE LOADING RACK VOC EF TO 0.015 LB/1,000 GALLONS

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-20-11: Jan 5 2021 10:09AM - HARADERJ : Joint Inspection NOT Required

5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NOx reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. The VOC destruction efficiency shall be at least 99% and all gasoline loading shall be conducted utilizing bottom loading and dry-break couplers. [District Rule 4102]
11. Gasoline shall be loaded only into vapor tight tank trucks. [40 CFR Part 60.502(e)] Federally Enforceable Through Title V Permit
12. The facility shall obtain the vapor tightness documentation specified in 40 CFR Part 60.505(b) for each gasoline tank truck that is to be loaded at the facility. [40 CFR Part 60.502(e)(1)] Federally Enforceable Through Title V Permit
13. VOC emissions from the vapor recovery system shall not exceed 0.015 pounds per thousand gallons of gasoline loaded. [District Rules 2201, 4624, 5.1.1, San Joaquin County Rule 412, and 40 CFR 63.11088(a)] Federally Enforceable Through Title V Permit
14. The vapor collection system shall be operated in a manner to prevent any organic vapors collected at one loading rack from passing to another loading rack. [40 CFR 63.11088(a)] Federally Enforceable Through Title V Permit
15. The vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624] Federally Enforceable Through Title V Permit
16. The combined quantity of organic liquid (as defined in District Rule 4624) loaded through permit units N-829-1 and N-829-2 shall not exceed 756,000,000 gallons in any rolling 12-month period. This annual limit shall be lowered in the event that the CARB certifies the vapor recovery system can process VOC emissions with a daily gasoline throughput of less than 2,071,233 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The combined quantity of organic liquid (as defined in District Rule 4624) loaded through permit units N-829-1 and N-829-2 shall not exceed 2,071,233 gallons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. The vapor combustor's combustion chamber shall be configured to operate with logic controls set to shut the vapor combustor system down and close the block valve to receiving vapors if the operating temperature does not reach a minimum of 900 degrees Fahrenheit within 10 minutes. [District Rules 2201, 4102, and 40 CFR 63.11088(d)] Federally Enforceable Through Title V Permit
19. The vapor combustor shall be equipped for continuous monitoring and recording of combustion temperature. Temperature charts shall be made available to the District upon request. [District Rule 2201, 40 CFR Part 64 and 40 CFR 63.11088(d)] Federally Enforceable Through Title V Permit

20. Should the vapor combustor's operating temperature fall below 900 degrees Fahrenheit, the permittee shall investigate the cause and take corrective action to return the operating temperature to an acceptable level as soon as possible, but no longer than one hour after initial detection. If the operating temperature cannot be raised to an acceptable value within one hour after detection, the permittee shall notify the District within the following hour and conduct a certified source test within 60 days of initial detection. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviation is a result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [40 CFR Part 64] Federally Enforceable Through Title V Permit
21. Loading and vapor collection and control equipment shall be designed, installed, maintained, and operated such that there are no leaks. A leak is 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 the surface of the component interface from potential source in accordance with EPA Method 21. [District Rule 4624 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
22. The vapor collection system, the vapor destruction device and each transfer rack shall be tested for leaks at least once every calendar quarter with a portable hydrocarbon analyzer in accordance with EPA Method 21. [District Rule 4624] Federally Enforceable Through Title V Permit
23. The equipment that are found leaking shall be repair or replaced within 72 hours after detecting the leakage. 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] Federally Enforceable Through Title V Permit
24. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for organic liquid and organic vapor leaks. For the purpose of this condition, detection methods incorporating sight, sound and smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 days after it is detected. [40 CFR Part 60.502(j) and 40 CFR Part 63.11089(a)] Federally Enforceable Through Title V Permit
25. A log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR Part 63.11089(b)] Federally Enforceable Through Title V Permit
26. Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR Part 63.11089(d)] Federally Enforceable Through Title V Permit
27. The owner or operator shall maintain a log book that contain the following information: 1.) dates of leak inspections, 2.) the nature of the leak (i.e. vapor or liquid) and the method of detection; 3.) findings, 4.) corrective action, 5.) repair methods applied in each attempt to repair the leak; 6.) repair delayed and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the expected date of successful repair of the leak if the leak is not repaired within 15 days; 8.) the date of successful repair of the leak; and 9.) inspector name and signature. [District Rule 4624, 40 CFR Part 60.505 (c) and 40 CFR 63.11089(g)] Federally Enforceable Through Title V Permit
28. The owner or operator shall report the number of equipment leaks not repaired within 15 days after detection in a semi-annual report. [40 CFR 63.11089(g)] Federally Enforceable Through Title V Permit

29. During source testing the loading rack's vapor collection and control system (VCCS) shall be tested at every loading position 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 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. [District Rule 2520 and 40 CFR 60.503(d)] Federally Enforceable Through Title V Permit
30. Source testing to determine compliance with the emission rate and VOC destruction efficiency requirements of this permit shall be conducted at least once every 60 months. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
31. Source testing shall be conducted using methods and procedures approved by District. The District must be notified 30 days prior to any compliance source testing and a pretest plan outlining the test methods and procedures shall be submitted for the District approval no later than 15 days prior to each test. [District Rule 1081] Federally Enforceable Through Title V Permit
32. Source testing shall be witnessed or authorized by District Personnel. [District Rule 1081] Federally Enforceable Through Title V Permit
33. VOC emissions from the vapor collection and control system shall be determined using 40 CFR 60.503 "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A, 25B, and ARB Method 422, or ARB Test Procedure TP-203.1. [District Rule 4624 and San Joaquin County Rule 412] Federally Enforceable Through Title V Permit
34. Source testing for VOC destruction efficiency shall be conducted utilizing EPA Method 18, EPA Method 25A or CARB Method 100. Alternative methods may be utilized provided they are previously approved by the District, in writing. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
35. 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
36. A log of all breakdowns of the vapor recovery system indicating the times, dates and gallons processed during the breakdown periods shall be maintained on the premises at all times and shall be made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
37. The owner or operator shall keep records of the daily and cumulative annual (on a rolling 12-month period) organic liquids throughput, in gallons from permit units N-829-1 and N-829-2. The cumulative annual records shall be updated at least weekly. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
38. Documentation attesting to the vapor tightness of each truck loaded with gasoline shall be kept. The documentation file for each tank truck shall be updated at least once per year to reflect the current test results as determined by EPA method 27. [40 CFR Part 60.5059(a) and 40 CFR 63.11094(b)] Federally Enforceable Through Title V Permit
39. The semi-annual compliance report shall include each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [40 CFR 63.11088(f)] Federally Enforceable Through Title V Permit
40. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 4624] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-21-6

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 1,328,124 GALLON WELDED INTERNAL FLOATING ROOF STORAGE TANK (#3302) WITH A MECHANICAL SHOE PRIMARY SEAL, A WIPER SECONDARY SEAL AND A SLOTTED GUIDEPOLE: INSTALL FUGITIVE COMPONENTS

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-21-6 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required

5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NOx reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 73 pounds in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
13. True vapor pressure of the organic liquid stored shall be less than 11 psia. [District Rule 4623] Federally Enforceable Through Title V Permit
14. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
15. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
16. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
17. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
18. The cumulative length all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
22. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
24. The internal 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; complete emptying and subsequent refilling, tank interior cleaning, and tank repair and maintenance activities. When the roof is resting on the leg supports the processes of filling or emptying and refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land the roof on its legs. [District Rules 2020, 2201, and 4623, and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
25. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
26. 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 drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
27. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
28. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
29. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
30. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
31. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
32. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
33. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
34. All slotted sampling or gauging wells shall provide a projection below the liquid surface. [District Rule 4623]
35. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth inch. [District Rule 4623] Federally Enforceable Through Title V Permit



36. If the owner or operator elects to participate in the voluntary preventative inspection, maintenance, and interior tank cleaning program, then they shall comply with all the applicable requirements of Section 5.7 of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
37. The owner or operator shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623, 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
38. The owner or operator 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, 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
39. The owner or operator 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 and 40 CFR 63.11087(c)] Federally Enforceable Through Title V Permit
40. 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 owner or operator 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 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
41. The owner or operator shall notify the District in writing at least 30 days prior to conducting the visual inspection of the storage vessel, so the District can arrange an observer. [40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
42. The owner or operator shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) 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). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken. [District Rule 4623 and 40 CFR 63.11087(e)] Federally Enforceable Through Title V Permit
43. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit

44. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit
45. The owner or operator shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank. [40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
46. Each detection of a liquid or vapor leak shall be recorded in the log. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(c) and (d), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
47. The owner or operator shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District. [40 CFR 63.11095(a)] Federally Enforceable Through Title V Permit
48. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [40 CFR 63.11094(e), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
49. The owner or operator shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report. [40 CFR 63.11095(b)(5)] Federally Enforceable Through Title V Permit
50. The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source. [40 CFR 60.116b(b)] Federally Enforceable Through Title V Permit
51. The owner or operator shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature. TVP could also be determined using the calculation methodology listed in Appendix A or Appendix B of District Rule 4623 depending on the liquid stored. [District Rule 4623] Federally Enforceable Through Title V Permit
52. The owner or operator shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Section 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
53. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201, and 4623 and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit
54. If the permittee has degassed the storage tank pursuant to the provisions of Section 5.7.5 of Rule 4623, and the organic liquid stored in the tank has a TVP less than 0.5 psia, as determined by Appendix A of Rule 4623, the tank shall not be required to comply with the requirements listed in conditions 13 through 36 and 38 through 51 of this permit. The permittee shall maintain records of the organic liquid stored in the tank and the storage temperature to demonstrate that the TVP is less than 0.5 psia. Records will be maintained by the permittee according to Condition 57. [District Rule 4623] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-28-7

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 3,360,000 GALLON WELDED DOMED EXTERNAL FLOATING ROOF STORAGE TANK (#80001) WITH A MECHANICAL SHOE PRIMARY SEAL, A WIPER SECONDARY SEAL AND A SLOTTED GUIDEPOLE: INSTALL FUGITIVE COMPONENTS

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-28-7 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required

5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NOx reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 73 pounds in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
13. True vapor pressure of the organic liquid stored shall be less than 11 psia. [District Rule 4623] Federally Enforceable Through Title V Permit
14. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
15. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
16. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
17. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
18. The cumulative length all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
22. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
24. The internal 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; completely emptying the tank and subsequently refilling; tank interior cleaning; and tank repair and maintenance activities. When the roof is resting on the leg supports the processes of filling or emptying and refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land the roof on its legs. [District Rules 2020, 2201, and 4623, and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
25. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
26. 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 drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
27. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
28. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
29. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
30. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
31. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
32. 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 and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
33. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
34. All slotted sampling or gauging wells shall provide a projection below the liquid surface. [District Rule 4623]
35. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth inch. [District Rule 4623] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

36. If the owner or operator elects to participate in the voluntary preventative inspection, maintenance, and interior tank cleaning program, then they shall comply with all the applicable requirements of Section 5.7 of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
37. The owner or operator shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623, 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
38. The owner or operator 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, 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
39. The owner or operator 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 and 40 CFR 63.11087(c)] Federally Enforceable Through Title V Permit
40. 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 owner or operator 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 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
41. The owner or operator shall notify the District in writing at least 30 days prior to conducting the visual inspection of the storage vessel, so the District can arrange an observer. [40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
42. The owner or operator shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) 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). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken. [District Rule 4623 and 40 CFR 63.11087(e)] Federally Enforceable Through Title V Permit
43. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit

44. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit
45. The owner or operator shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank. [40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
46. Each detection of a liquid or vapor leak shall be recorded in the log. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(c) and (d), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
47. The owner or operator shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District. [40 CFR 63.11095(a)] Federally Enforceable Through Title V Permit
48. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [40 CFR 63.11089(g), 40 CFR 63.11094(e), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
49. The owner or operator shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report. [40 CFR 63.11095(b)(5)] Federally Enforceable Through Title V Permit
50. The owner or operator shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature. TVP could also be determined using the calculation methodology listed in Appendix A or Appendix B of District Rule 4623, depending on the liquid stored. [District Rule 4623] Federally Enforceable Through Title V Permit
51. The owner or operator shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Section 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
52. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201, and 4623, and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit
53. If the permittee has degassed the storage tank pursuant to the provisions of Section 5.7.5 of Rule 4623, and the organic liquid stored in the tank has a TVP less than 0.5 psia, as determined by Appendix A of Rule 4623, the tank shall not be required to comply with the requirements listed in conditions 13 through 36 and 38 through 51 of this permit. The permittee shall maintain records of the organic liquid stored in the tank and the storage temperature to demonstrate that the TVP is less than 0.5 psia. Records will be maintained by the permittee according to Condition 57. [District Rule 4623] Federally Enforceable Through Title V Permit

# AUTHORITY TO CONSTRUCT

**PERMIT NO:** N-829-29-8

**ISSUANCE DATE:** 01/05/2021

**LEGAL OWNER OR OPERATOR:** NUSTAR TERMINALS OPS PARTNERSHIP LP

**MAILING ADDRESS:** 9280 W STOCKTON BLVD STE 220  
ELK GROVE, CA 95758-8077

**LOCATION:** 2941 NAVY DRIVE  
STOCKTON, CA 95206

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 3,360,000 GALLON WELDED EXTERNAL FLOATING ROOF STORAGE TANK (#80002) WITH A MECHANICAL SHOE PRIMARY SEAL, A WIPER SECONDARY SEAL AND A SLOTTED GUIDEPOLE: SPECIFY THE TANK BE USED TO STORE GASOLINE AND DENATURED ETHANOL; INSTALL FUGITIVE COMPONENTS FOR ETHANOL SERVICES; ESTABLISH A COMBINED ANNUAL ORGANIC LIQUID THROUGHPUT LIMIT OF 258,000,000 GALLONS; AND INSTALL A GEODESIC DOMED ROOF.

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Prior to operating the equipment under ATCs N-829-1-10, '-2-10, '-16-8, '-20-11, '-21-6, '-28-7, and '-29-8, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,429 lb, 2nd quarter - 2,430 lb, 3rd quarter - 2,430 lb, and 4th quarter - 2,430 lb. These values already include an offset ratio of 1.5 for VOC emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate C-1440-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-829-29-8 : Jan 5 2021 10:09AM -- HARADERJ : Joint Inspection NOT Required



5. NuStar shall develop a plan demonstrating that the off-road equipment (owned, leased, and subcontractor vehicles greater than 50 hp) to be used in the construction of the proposed project would achieve a project-wide fleet-average of 20% NO<sub>x</sub> reduction compared to the most recent CARB fleet average. [California Environmental Quality Act, SEIR #20190182]
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Total VOC emissions from the tank shall not exceed 14.8 pounds in any one day and 2,082 pounds in any one rolling 12-month period. {Total VOC emissions shall be calculated as follows: Total VOC Emissions (lb) = Tank VOC Emissions (lb) + Fugitive Component Emissions (lb)} [District Rule 2201] Federally Enforceable Through Title V Permit
11. The quantity of organic liquid loaded into this tank shall not exceed 5,040,000 gallons in any one day and 258,000,000 gallons in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 73 pounds in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999) - Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit
15. True vapor pressure of the organic liquid stored shall be less than 11 psia. [District Rule 4623] Federally Enforceable Through Title V Permit
16. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
17. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
19. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit
20. The cumulative length all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit
21. 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] Federally Enforceable Through Title V Permit
22. 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] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
24. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
25. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit
26. The internal 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; complete emptying and subsequent refilling; tank interior cleaning; and tank repair and maintenance activities. When the roof is resting on the leg supports the processes of filling or emptying and refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land the roof on its legs. [District Rules 2020, 2201, and 4623, 40 CFR 60.112b(a)(1)(i), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
27. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit
28. 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 drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
29. 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, 40 CFR 60.112b(a)(1)(iii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
30. 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, 40 CFR 60.112b(a)(1)(iv), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
31. 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, 40 CFR 60.112b(a)(1)(v), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
32. 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, 40 CFR 60.112b(a)(1)(vi), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
33. 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, 40 CFR 60.112b(a)(1)(vii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
34. 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, 40 CFR 60.112b(a)(1)(viii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

35. 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) and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit
36. All slotted sampling or gauging wells shall provide a projection below the liquid surface. [District Rule 4623]
37. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth inch. [District Rule 4623] Federally Enforceable Through Title V Permit
38. If the owner or operator elects to participate in the voluntary preventative inspection, maintenance, and interior tank cleaning program, then they shall comply with all the applicable requirements of Section 5.7 of District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
39. The owner or operator shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623, 40 CFR 60.113b(a)(1), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
40. The owner or operator 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, 40 CFR 60.113b(a)(2), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
41. The owner or operator 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 and 40 CFR 63.11087(c)] Federally Enforceable Through Title V Permit
42. 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 owner or operator 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), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
43. The owner or operator 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), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
44. The owner or operator shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specification of 40 CFR Part 60.112b(a)(1) and 40 CFR Part 60.113b(a)(1) within 15 days after the initial startup of the equipment. [40 CFR 60.115b(a)(1)] Federally Enforceable Through Title V Permit

45. The owner or operator 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 the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) 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). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken. [District Rule 4623, 40 CFR 60.115b(a), and 40 CFR 63.11087(e)] Federally Enforceable Through Title V Permit
46. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit
47. For monthly leak inspection, a log shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit
48. The owner or operator shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank. [40 CFR 60.113b(a)(4), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(1)] Federally Enforceable Through Title V Permit
49. Each detection of a liquid or vapor leak shall be recorded in the log. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(c) and (d), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
50. The owner or operator shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District. [40 CFR 63.11095(a)] Federally Enforceable Through Title V Permit
51. The owner or operator shall maintain a log that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [40 CFR 63.11089(g), 40 CFR 63.11094(e), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit
52. The owner or operator shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report. [40 CFR 63.11095(b)(5)] Federally Enforceable Through Title V Permit
53. The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source. [40 CFR 60.116b(b)] Federally Enforceable Through Title V Permit

54. The owner or operator shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature. TVP could also be determined using the calculation methodology listed in Appendix A or Appendix B of District Rule 4623, depending on the type of liquid stored. [District Rule 2201 and 40 CFR 60.116b(c)] Federally Enforceable Through Title V Permit
55. The owner or operator shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Section 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
56. The owner or operator shall keep daily and cumulative annual records on a rolling 12-month period of the quantity of organic liquid loaded into the tank, in gallons. The record shall be updated at least weekly. [District Rule 2201] Federally Enforceable Through Title V Permit
57. The owner or operator shall maintain records sufficient to demonstrate compliance with each emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations/modeling. [District Rule 2201] Federally Enforceable Through Title V Permit
58. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201, and 4623, 40 CFR 60.116b(a), and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit
59. If the permittee has degassed the storage tank pursuant to the provisions of Section 5.7.5 of Rule 4623, and the organic liquid stored in the tank has a TVP less than 0.5 psia, as determined by Appendix A of Rule 4623, the tank shall not be required to comply with the requirements listed in conditions 13 through 36 and 38 through 52 of this permit. The permittee shall maintain records of the organic liquid stored in the tank and the storage temperature to demonstrate that the TVP is less than 0.5 psia. Records will be maintained by the permittee according to Condition 57. [District Rule 4623] Federally Enforceable Through Title V Permit