San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

MAR 20 2018

Mr. Ted Wells
Sutter Home Winery
18667 N Jacob Brack Rd
Lodi, CA 95242

Re: Final - Authorities to Construct / Certificates of Conformity (Significant Mod)
Facility Number: N-7855
Project Number: N-1171486

Dear Mr. Wells:

The Air Pollution Control Officer has issued Authorities to Construct (ATCs) N-7855-449-2 through '-508-2, N-7855-631-2 through '-700-2, and N-7855-751-2 through '-776-2 with Certificates of Conformity to Sutter Home Winery at 18667 N Jacob Brack Rd, Lodi, CA. This project is to modify 160 wine tanks to allow spirits with up to 60% ethanol by volume to be stored in the tanks. Enclosed are the ATCs and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the ATCs was published on November 20, 2017. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on November 15, 2017. No comments were received following the District's preliminary decision on this project.

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.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
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

www.valleyair.org www.healthyairliving.com

Printed on recycled paper.

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,

Arnaud Marjollet
Director of Permit Services

Enclosures

cc: Tung Le, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

Facility # N-7855
SUTTER HOME WINERY
P O BOX 248
ST HELENA, CA 94574-0248

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/busind/pto/ptoforms/1ptoformidx.htm.
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 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.*

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.

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Executive Director/Air Pollution Control Officer

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4800 Enterprise Way
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1990 E. Gettysburg Avenue
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San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

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AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-449-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1116) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-449-2 Mar 6 2018 1:13PM -- TARAJI RJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-450-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1117) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-450-2 Mar 6 2018 1:12PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-451-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1118) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-451-2 Mar 6 2018 1:13PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

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15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

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HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-452-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1119) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-452-2 : Mar 6 2018 1:13PM -- HAKADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-453-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1120) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-453-2 Mar 6 2018 1:13PM --- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-454-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1121) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-454-2 Mar 6 2018 1:13PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

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AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-455-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1122) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-455-2 Mar 6 2018 1:14PM – HARADLRJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

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10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-456-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1123) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-456-2 Mar 6 2018 1 14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-457-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1124) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-457-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-458-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1125) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-458-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-459-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1126) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-459-2 Mar 6 2018 1 14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-460-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1127) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-460-2 Mar 6 2018 1:14PM – HASHADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-461-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1128) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N 7855-461-2 Mar 6 2018 1 14PM -- HARADEHJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-462-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1129) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-462-2 Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-463-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1130) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-463-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-464-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1131) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-464-2 Mar 6 2018 1 14PM – HAIRADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-465-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1132) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-465-2 Mar 6 2018 1:14PM – HARALDEH2 Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-466-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1133) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-466-2 Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-467-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,865 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1134) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-467-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-468-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1135) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-468-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-469-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1136) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-469-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-470-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1137) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-470-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-471-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1138) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-471-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-472-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1139) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-472-2 : Mar 6 2018 1:14PM -- HARADENJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-473-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1140) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-473-2 Mar 6 2018 1 14PM -- HARADENJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-474-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1141) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-474-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-475-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1142) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-475-2 Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-476-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1143) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-476-2 Mar 6 2018 1:14PM -- HARADR RJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING℠

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-477-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1144) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-477-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-478-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1145) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-478-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-479-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1146) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-479-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-480-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1147) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-480-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-481-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1148) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-481-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-482-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1149) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-482-2 : Mar 6 2018 1 14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-483-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1150) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N 7855-483-2 Mar 0 2018 1:14PM - HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-484-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1151) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-484-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-485-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,685 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1152) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-485-2 Mar 6 2018 1:14PM -- HARADEJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-486-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1153) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-486-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-487-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1154) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-487-2 : Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-488-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1155) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-488-2 May 6 2018 1 14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-489-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1156) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-489-2 Mar 6 2018 1:14PM -- HARADERJ John Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-490-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1157) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-490-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-491-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1158) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-491-2 Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-492-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1159) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-492-2 Mar 6 2018 1:14PM – HAHADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-493-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1160) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-493-2 Mar 6 2018 1 14PM HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-494-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1161) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-494-2 May 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING℠

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-495-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1162) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N 7855-495-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-496-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1163) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-496-2 Mar 6 2018 1:14PM – HARALR-RJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-497-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1164) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-497-2 Mar 6 2018 1:14PM – HARADEJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-498-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1165) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-498-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-499-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1166) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-499-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-500-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1167) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-500-2 : Mar 6 2018 1:14PM – NARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-501-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1168) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

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6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-502-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1169) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-502-2 : Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-503-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1170) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-503-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-504-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1171) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-504-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-505-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1172) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-505-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING℠

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-506-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1173) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N 7855-506-2 Mar 6 2018 1:14PM HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-507-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,685 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1174) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-507-2 Mar 6 2018 1:14PM -- HARADLRJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-508-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 25,885 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 1175) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-508-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-631-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2000) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-631-2 May 6 2018 1:34PM HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-632-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2001) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.*

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-632-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-633-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2002) WITH PRESSURE/VACUUM VALVE AND INSULATION;INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-633-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-634-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2003) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-634-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-635-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2004) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-635-2 Mar 6 2018 1:14PM – HARADEHJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-636-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2005) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-636-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-637-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2006) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-637-2 Mar 6 2018 1:14PM – MARAUDERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-638-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2007) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-638-2 : Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-639-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2008) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-639-2 Mar 6 2018 1:14PM - HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-640-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2009) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-640-2 Mar 6 2018 1:14PM -- HAGADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-641-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2010) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-641-2 Mar 6 2018 1:14PM - HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-642-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2011) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-642-2 Mar 6 2018 1:14PM – HARAJERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING℠

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-643-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2012) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-643-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-644-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2013) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-644-2 Mar 6 2018 1:14PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-645-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2014) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-645-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-646-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2015) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-646-2 Mar 6 2018 1:14PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-647-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2016) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-647-2 : Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-648-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2017) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-648-2 Mar 6 2018 1:14PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-649-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2018) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

Northern Regional Office • 4800 Enterprise Way • Modesto, CA 95356-8718 • (209) 557-6400 • Fax (209) 557-6475

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-650-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2,600 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2019) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-650-2 Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

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13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

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15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-651-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2020) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-651-2 Mar 6 2018 1:14PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-652-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2021) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N 7855-652-2 : Mar 6 2018 1 14PM - HARALDERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-653-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2022) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-653-2 Mar 6 2018 1:14PM -- HARADIN4 : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-654-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2023) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-654-2 : Mar 6 2018 1:14PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-655-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2024) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-655-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-656-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2025) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-656-2 Mar 6 2018 1:15PM – HARAJIERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-657-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2026) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-657-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-658-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2027) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-658-2 : Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-659-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2028) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-659-2 Mar 5 2018 1:15PM -- HAKHADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-660-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2029) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-660-2 Mar 6 2018 1:15PM – HARADEJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-661-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2030) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-661-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-662-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2031) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-662-2 Mar 6 2018 1:15PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-663-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2032) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-663-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-664-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2033) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-664-2 Mar 6 2018 1:15PM – HWADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-665-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2034) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-665-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-666-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2035) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-666-2 Mar 6 2018 1 15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-667-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2036) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-667-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine-type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-668-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2037) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-668-2 Mar 6 2018 1:15PM -- HAMADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-669-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2038) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-669-2 Mar 6 2018 1 15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-670-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 5,282 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2039) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-670-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-671-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2040) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-671-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-672-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2041) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-672-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall he maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-673-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2042) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-673-2 Mar 6 2018 1:15PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-674-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2043) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-674-2 Mar 6 2018 1:15PM – HARADJEJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-675-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,567 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2044) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-675-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-676-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2045) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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 thet 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-676-2 Mar 6 2018 1:15PM – HARADERJ . Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-677-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2046) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-677-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-678-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2047) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-678-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-679-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2048) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-679-2 Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-680-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2049) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-680-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-681-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2050) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-681-2 Mar 6 2018 1:15PM -- HARADE:HJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-682-2

ISSUANCE DATE: 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2051) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-682-2 Mar 6 2018 1:15PM -- HAHADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit
15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]
16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]
17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-683-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2052) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-683-2 Mar 6 2018 1:16PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-684-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2053) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-684-2 Mar 6 2018 1 15PM -- HAIDERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-685-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2054) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-685-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-686-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2055) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-686-2 Mar 6 2018 1:15PM – HARMAR.J : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-687-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2056) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-687-2 : Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-688-2

ISSUANCE DATE: 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2057) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-688-2 : Mar 6 2018 1:15PM -- HARADEHJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-689-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2058) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-689-2 Mar 6 2018 1:15PM - KARADERA Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-690-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2059) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-690-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-691-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2060) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-691-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-692-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2061) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-692-2 Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-693-2

ISSUANCE DATE: 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2062) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-693-2 Mar 6 2018 9:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-694-2

ISSUANCE DATE: 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2063) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-694-2 Mar 6 2018 1:15PM -- HARADENJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-695-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2064) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-695-2 Mar 6 2018 1:15PM - HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-696-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2065) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-696-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-697-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2066) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-697-2 Mar 6 2018 1 15PM - HARADFRJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-698-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 15,500 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2067) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-698-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-699-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2068) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-699-2 Mar 6 2018 1:15PM HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-700-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 10,587 GALLON STEEL WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2069) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-700-2 : Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-747-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2100) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-747-2 Mar 6 2018 1 15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-748-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2101) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-748-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-749-2

ISSUANCE DATE: 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2102) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-749-2 Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-750-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2103) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-750-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-751-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2104) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-751-2 Mar 6 2018 1 15PM -- HARACE RJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-752-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2105) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-752-2 Mar 6 2018 1 15PM -- HAKAMFRJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-753-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2106) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-753-2 : Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-754-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2107) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-754-2 Mar 5 2018 1:16PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-755-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2108) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-755-2 Mar 6 2018 1 15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lh-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-756-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2109) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-756-2 Mar 6 2018 1:15PM -- HARADLEJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-757-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2110) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-757-2 Mar 6 2018 1:15PM -- IWARAJERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-758-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2111) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-758-2 Mar 6 2018 1 15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonsttation that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-759-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2112) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-759-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-760-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2113) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-760-2 : Mar 5 2018 1:55PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-761-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2114) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-761-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-762-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2115) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-762-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-763-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2116) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-763-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-764-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2117) WITH PRESSURE/VACUUM VALVE AND INSULATION; INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-764-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-765-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2118) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-765-2 Mar 6 2018 1:15PM – HARATJE/RJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-766-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 8,031 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2119) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-766-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-767-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2120) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
n-7855-767-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-768-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2121) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-768-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-769-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2122) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-769-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-770-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2123) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-770-2 Mar 6 2018 1:15PM – HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]
19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]
20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit
21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-771-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 13,487 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2124) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-771-2 Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-772-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2125) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-772-2 Mar 6 2018 1:15PM – HARAOH-RJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-773-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2126) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-773-2 Mar 6 2018 1:15PM -- HARADERJ : Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-774-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2127) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-774-2 Mar 6 2018 1:15PM – HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-775-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2128) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] 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.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-7855-775-2 Mar 6 2018 1:15PM -- HARADERJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

AUTHORITY TO CONSTRUCT

PERMIT NO: N-7855-776-2 **ISSUANCE DATE:** 03/06/2018

LEGAL OWNER OR OPERATOR: SUTTER HOME WINERY
MAILING ADDRESS: P O BOX 248
ST HELENA, CA 94574-0248

LOCATION: 18667 N JACOB BRACK RD
LODI, CA 95242

EQUIPMENT DESCRIPTION:
MODIFICATION OF 20,219 GALLON WHITE WINE FERMENTATION TANK AND WINE STORAGE TANK (TANK 2129) WITH PRESSURE/VACUUM VALVE AND INSULATION: INCREASE THE MAXIMUM ETHANOL CONTENT LIMIT TO 60%

CONDITIONS

1. The VOC emissions rate for fermentation operations in this tank shall not exceed 1.62 lb/day per 1000 gallons of tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The ethanol content of wine or spirit stored in this tank shall not exceed 60 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
3. When this tank is used for wine or spirit storage, the daily tank throughput, in gallons, shall not exceed five times the maximum nominal tank capacity stated on the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine or spirit storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When used for wine or spirit storage, this tank and the pressure-vacuum relief valve shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

N-7855-776-2 Mar 6 2018 1:15PM -- HAMADEJ Joint Inspection NOT Required

6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

7. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit

8. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and the uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

9. When this tank is used for wine or spirit storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

11. Annual emissions from all wine fermentation and wine or spirits storage tanks, calculated on a twelve month rolling basis, shall not exceed the following limit: VOC - 292,950 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit

12. Combined annual VOC emissions from all wine and spirits storage operations shall be determined as the sum of the emissions for each individual wine or spirit movement based on the volume transferred in each wine or spirit movement and the batch-specific storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The annual VOC wine or spirit storage emission factor (EF) for each wine or spirit transfer shall be selected from the following emission factors based on the ethanol content of the wine transferred: For a wine or spirit with an ethanol content less than 14 volume percent: EF = 0.130 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 14 and 21 volume percent, EF = 0.189 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 21 and 24 volume percent, EF = 0.213 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 24 and 30 volume percent, EF = 0.252 lb-VOC/1000 gallons; For a wine or spirit with an ethanol content between 30 and 45 volume percent, EF = 0.342 lb-VOC/1000 gallons; For a wine or spirit with ethanol content between 45 and 60 volume percent, EF = 0.413 lb-VOC/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit

14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production-gal) x (6.2 lb-VOC/1000 gal) + (Total Annual White Wine Production-gal) x (2.5 lb-VOC/1000 gal). [District Rule 2201] Federally Enforceable Through Title V Permit

15. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2012, and every three years thereafter on or before December 1. [District Rule 4694]

16. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2013, and every three years thereafter on or before July 1. [District Rule 4694]

17. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2012, and every year thereafter on or before March 1. [District Rule 4694]

CONDITIONS CONTINUE ON NEXT PAGE

18. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

19. Operators using District Obtained Emission Reductions (DOER) shall submit payment of DOER and administrative fees to the District no later than March 1, of the first year in the applicable compliance period. [District Rule 4694]

20. The permittee shall maintain the following records: red wine and white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury; the volume and the ethanol concentration of each wine movement; and the calculated 12 month rolling VOC emission rate (lb-VOC per 12 month rolling period, calculated monthly). [District Rule 2201] Federally Enforceable Through Title V Permit

21. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit

22. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit

23. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit