San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

JUL 0 9 2018

Adam Wenz
E & J Gallo Winery
18000 W River Rd
Livingston, CA 95334

RE: Notice of Final Action - Authority to Construct
Facility Number: N-1237
Project Number: N-1162686

Dear Mr. Wenz:

The Air Pollution Control Officer has issued the Authority to Construct permits to E & J Gallo Winery for the modification of 95 wine storage tanks to add red and white wine fermentation service and establish a combined annual volatile organic compound (VOC) emission limit for 46 of the 95 tanks, located at 18000 W. River Road, Livingston, CA. Enclosed are the Authority to Construct permits 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 Authority to Construct permits was published on May 19, 2017. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on May 16, 2017. All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period did not result in any changes to the District's preliminary decision. A copy of the comments received and the District's responses to those comments are enclosed.

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

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. Errol Villegas at (559) 230-6000.

Sincerely,

for

Arnaud Marjollet
Director of Permit Services

AM:ddb

Enclosures

cc: Tung Le, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email
cc: Kim Burns, E & J Gallo Winery (w/enclosure) via email

EPA COMMENT / DISTRICT RESPONSE

EPA comments regarding the preliminary decision for E & J Gallo Winery's (District facility N-1237) proposed project are provided below followed by the District's responses. A copy of EPA's July 10, 2017 comment letter is available at the District office.

EPA COMMENT – Offset Amounts Required for District Rule 2201

As an extreme Ozone nonattainment area, all VOC major sources are required to offset any increase of VOC emissions (i.e. the major modification threshold is zero). As stated in the evaluation, E&J Gallo is an existing major source, therefore all emission increases from the project must be offset at a minimum 1:1.5 ratio. Page 27 of the evaluation states that since the fermentation tanks are subject to Rule 4694, the facility is already mitigating 35% of the uncontrolled fermentation emissions each year and that requiring offsets for 100% of the fermentation emissions would be requiring double mitigation. The District then reduces the amount of offsets required for the fermentation emissions by 35%.

EPA has reviewed District Rule 2201 – New and Modified Stationary Sources and we do not find any provisions that would allow the District to reduce the amount of offsets required for this project by substituting the emission reductions required by Rule 4694. Inherently, because these emission reductions are required by the SIP, they are not surplus emission reductions, as required by the definition of Actual Emission Reductions in Rule 2201 and therefore cannot be used as offsets under NSR. Please revise the evaluation accordingly to show that the source has sufficient ERCs available to offset the entire emission increase form this project prior to issuing the ATCs for the project. An ATC issued without surrender of the additional ERCs will not be considered a valid federal permit.

DISTRICT RESPONSE

The District appreciates EPA pointing out language in our engineering evaluation that could be misinterpreted. Rather than calculating the quantity of offsets required and then claiming that rule compliance satisfies part of that offsetting obligation, we should have more directly discussed that the facility's rule compliance mechanism actually reduces the emissions increases that must be included in the quantity of offsets required. As further discussed below, this is true whether the facility uses control technology to satisfy the emissions reduction requirement of the rule, or some other compliance alternative allowed by the rule.

District Rule 4694 (Wine Fermentation and Storage Tanks) requires a 35% reduction in fermentation emissions from wineries. These reductions can be achieved by a winery installing controls on their wine fermentation tanks (Option 1 below) or by providing Certified Emission Reductions (CERs) as an alternative method for achieving compliance with the 35% reduction (Option 2 below).

While Option 1 provides self-evident reductions in emissions by directly controlling them, Option 2 requires a bit more discussion. CERs are defined in Rule 4694 as VOC or NOx reductions which are actual, quantifiable, enforceable and surplus at time of use – most of the same conditions of approval evaluated for creating Emission Reduction Credits (ERCs). To ensure the CERs provide permanent emissions reductions as well, the rule requires the District to perform the following steps:

1. **Initial CERs Validation**: In order to generate emission reductions that can qualify as a CER, a facility must first obtain an Authority to Construct (ATC) permit that authorizes the proposed installation of control equipment or technologies. Requirements are then included as permit conditions to ensure that the proposed emission reductions are actual and enforceable reductions. Once the installation of the controls are completed, the facility must submit an initial compliance plan that quantifies the amount of available CERs based on historical actual emissions from the controlled source and the control efficiency of the installed control equipment or technologies. This compliance plan is then validated by the District to ensure the CERs meet the requirements of District Rule 4694, which includes confirming that the CERs are actual emission reductions, quantifiable, enforceable, and surplus at time of use. Once validated, the CERs are available for any facility to use in their Three-year Compliance Plan.

2. **Periodic Validation**: As an additional step in the CERs verification process, the District periodically validates that the CERs being used to satisfy the emission reduction requirements continue to meet the stringent definition of a CER, pursuant to District Rule 4694. As discussed above, CERs are emissions reductions which are actual, quantifiable, enforceable and surplus at time of use. The District also ensures that the facilities generating the CERs are operating in compliance with their permit conditions through annual compliance inspections of the permitted operations. This inspection, along with the Rule 4694 requirement to recertify CERs that lose their status, ensure the validity and the permanence of the emission reductions on a continuing basis.

3. **Continuous Tracking**: The District also performs an annual compliance demonstration reconciling the amount of CERs used by facilities to reduce their emissions. This reconciliation is performed 1) at a facility-by-facility level, by verifying that a winery implementing this alternate control method has provided enough CERs to mitigate their emissions in accordance to District Rule 4694 requirements 2) at a program level, by ensuring that the facilities that are sources of CERs are achieving sufficient emissions reductions for the amount of CERs used by all facilities relying on this source of emissions reductions to comply with Rule 4694 requirements and 3) at a CERs level, by validating each individual CER has not been overdrawn, double counted, or used more than once, using records of the value of the CER and the amount of the CER allocated to each individual facility (included in each facility's compliance plan). This validation process is performed on a regular basis during the District's review of each facility's required Three-year Compliance Plan.

This robust tracking and verification process and the procedures implemented by the District ensure that the CERs generated are permanent emissions reductions that can be used on a continuing basis.

In conclusion, the initial and periodic CERs validation and tracking procedures not only ensure compliance with Rule 4694 by assuring that individual CERs can be used as an alternative method for achieving compliance with the 35% reduction requirement, but they also meet all the relevant Emission Reduction Credit criteria: real/actual, quantifiable, enforceable, surplus at the time of use, and permanent, as discussed above.

Notwithstanding the above, per District Rule 4694, facilities have the option to either reduce emissions using traditional add-on control device or use CERs as an alternative control method. In either case, the result is identical – the compliance mechanism reduces the project's VOC increase by 35%. In this case, the facility has proposed to use CERs as the alternative compliance mechanism to reduce fermentation tanks emissions. Therefore, in either case, the calculated emissions are lowered by an amount equal to the rule's control requirement prior to calculating the amount of offsets required. EPA's comment, if implemented by the District, would result in double mitigating the portion of new fermentation emissions that are already required to be reduced under Rule 4694.

To illustrate this methodology, the District presents the following example:

- E & J Gallo Winery proposes to install a new 50,000 gallon wine fermentation tank.
- Annual throughput is limited to 135,000 gal/year.

Facility Proposes VOC Controls (Option #1):

- If E & J Gallo Winery selected option #1 to comply with the requirements of Rule 4694 and proposed to install VOC controls capable of achieving 35% emission reductions from the tank, the amount of offsets required in accordance with Rule 2201 would be calculated as follows:

Offsets Required = [PE2 – Baseline Emissions] x Distance Offset Ratio

Since this is a new fermentation tank, the baseline emissions are set equal to zero.

Therefore,

$PE2_{w/Control\ Device}$ = Uncontrolled EF x Throughput x (1 – CE)
= [2.5 lb-VOC/1,000 gal x (1 – 0.35)] x 135,000 gal/year
= 219.4 lb-VOC/year

Offsets Required = 219.4 lb-VOC/year x Distance Offset Ratio

Facility Proposes CERS (Option #2):

- If E & J Gallo Winery selected option #2 in order to comply with Rule 4694, they would be providing CERs as defined in Rule 4694 which are required to be actual, quantifiable, enforceable, and surplus at time of use. Therefore, the amount of offsets required in accordance with Rule 2201 can be calculated as follows:

- The CERs amount is calculated as the Fermentation Emissions (or PE2) multiplied by the percent reduction required by Rule 4694 (35%)

CERS = Fermentation Emissions x (0.35)
= 2.5 lb-VOC/1,000 gal x 135,000 gal/year x (0.35)
= 337.5 lb-VOC/year x (0.35)
= 118.1 lb-VOC/year

The permit is conditioned to require the surrender of 118.1 lb-VOC of CERs each year as an alternate compliance method for Rule 4694, reducing the annual emissions of the tank accordingly:

$PE2_{w/CERs}$ = 337.5 lb-VOC/year – 118.1 lb/year
= 219.4 lb-VOC/year

Offsets Required = 219.4 lb-VOC/year x Distance Offset Ratio

As demonstrated here, the CERs required by Rule 4694 have the same impact as controlling the emissions, and the amount of offsets being required for Rule 2201 purposes would be the same.

Also, as discussed in the EE, for federal major modification purposes, the entire emissions increases associated with the project is considered without incorporating the emission reductions achieved using CERs. As such, the entire amount of offsets is accounted for in the District's annual Offset Equivalency Demonstration.

While we appreciate the EPA pointing out the lack of clarity in our evaluation and providing the District with an opportunity to clarify, we do not agree with EPA's conclusion that Gallo provided insufficient offsets. We trust the above response clarifies our perspective – we do not believe that Rule 2201 requires double-mitigation of the subject emissions increases, and we are quite certain that it is not the intent of our NSR program, or of the federal NSR program, to require such double-mitigation.

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-1237-788-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-788-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 165 lb, and fourth quarter - 165 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-788-1 Jul 9 2018 9:25AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 50,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 73 lb-VOC/year (equivalent to 500,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 173.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 338 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-789-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

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Arnaud Marjollet, Director of Permit Services
N-1237-789-1 Jul 9 2018 9:25AM – BROWND Joint Inspection NOT Required

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CONDITIONS CONTINUE ON NEXT PAGE

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23. 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

24. 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 1070, 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-1237-790-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

For

Arnaud Marjollet, Director of Permit Services
N-1237-790-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 50,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 73 lb-VOC/year (equivalent to 500,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 173.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 338 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-791-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-791-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 165 lb, and fourth quarter - 165 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-791-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 50,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 73 lb-VOC/year (equivalent to 500,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

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17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-792-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 E) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

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2. ATC N-1237-792-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 165 lb, and fourth quarter - 165 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
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Seyed Sadredin, Executive Director / APCO

By _____
Arnaud Marjollet, Director of Permit Services
N-1237-792-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

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8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

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San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

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MAILING ADDRESS: ATTN: EHS MANAGER
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LOCATION: 18000 W RIVER RD
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CONDITIONS CONTINUE ON NEXT PAGE

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N-1237-793-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-794-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 G) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-794-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 165 lb, and fourth quarter - 165 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-794-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 50,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 73 lb-VOC/year (equivalent to 500,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 173.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 338 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-795-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 50,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 50 H) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-795-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 165 lb, and fourth quarter - 165 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-795-1 : Jul 9 2018 9:26AM – BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 50,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 73 lb-VOC/year (equivalent to 500,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 173.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 338 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-796-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-796-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-796-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-797-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-797-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-797-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-798-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-798-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-798-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-799-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-799-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-799-1 : Jul 9 2018 9:26AM -- BROWND : Joint Inspection NOT Required

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CONDITIONS CONTINUE ON NEXT PAGE

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San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

AUTHORITY TO CONSTRUCT

PERMIT NO: N-1237-800-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 E) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-800-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-800-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-801-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK(TANK 85 F) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

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Seyed Sadredin, Executive Director / APCO

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Arnaud Marjollet, Director of Permit Services
N-1237-801-1 : Jul 9 2018 9:26AM – BROWND : Joint Inspection NOT Required

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LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 H) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-803-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-803-1 Jul 9 2018 9:26AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-804-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 I) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-804-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-804-1 : Jul 9 2018 9:26AM -- BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-805-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 J) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-805-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-805-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-806-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 K) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-806-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

For Arnaud Marjollet, Director of Permit Services

N-1237-806-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-807-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 L) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-807-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-807-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

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17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-808-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
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EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 M) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-808-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
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5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-808-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

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8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

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AIR POLLUTION CONTROL DISTRICT

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PERMIT NO: N-1237-809-1

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CONDITIONS CONTINUE ON NEXT PAGE

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For

Arnaud Marjollet, Director of Permit Services

N-1237-809-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

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CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-810-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 O) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-810-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-810-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-811-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 P) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-811-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-811-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-812-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 Q) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-812-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-812-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-813-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 R) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-813-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-813-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-814-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 S) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-814-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-814-1 : Jul 9 2018 9:26AM -- BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-815-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 85,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 85 T) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-815-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 280 lb, and fourth quarter - 280 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-815-1 Jul 9 2018 9:26AM – BROWNO Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 85,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 125 lb-VOC/year (equivalent to 850,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 294.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 574 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-816-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-816-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-816-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-817-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-817-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-817-1 : Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-818-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-818-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-818-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-819-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-819-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-819-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

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12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

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19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-820-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 E) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-820-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-820-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-821-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 F) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-821-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for _____
Arnaud Marjollet, Director of Permit Services

N-1237-821-1 Jul 9 2018 9:26AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-822-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 G) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-822-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-822-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-823-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 H) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-823-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-823-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-824-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 I) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-824-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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-1237-824-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-825-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 J) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-825-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-825-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-826-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 K) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-826-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-826-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-827-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 L) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-827-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

For Arnaud Marjollet, Director of Permit Services

N-1237-827-1 Jul 9 2018 9:26AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-828-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 M) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-828-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-828-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-829-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 N) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-829-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-829-1 Jul 9 2018 9:26AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-830-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 O) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-830-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-830-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-831-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 P) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-831-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-831-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-832-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK EQUIPPED (TANK 105 Q) WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-832-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-832-1 Jul 9 2018 9:27AM – BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-833-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 R) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-833-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-833-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-834-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 S) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-834-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-834-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-835-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 T) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-835-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-835-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-836-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 105,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 105 U) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-836-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 346 lb, and fourth quarter - 346 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-836-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 105,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 154 lb-VOC/year (equivalent to 1,050,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 363.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 709 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-837-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-837-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-837-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-838-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-838-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-838-1 Jul 9 2018 9:27AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-839-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-839-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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-1237-839-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-840-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-840-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-840-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-841-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 E) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-841-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-841-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

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9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

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11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

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14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

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17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-842-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 F) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-842-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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-1237-842-1 : Jul 9 2018 9:27AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-843-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 G) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-843-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-843-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-844-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 H) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-844-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-844-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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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9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

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17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-845-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 I) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-845-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-845-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-846-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 J) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-846-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-846-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-847-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 K) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-847-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-847-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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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9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-848-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 L) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-848-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-848-1 Jul 9 2018 9:27AM -- BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-849-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 M) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-849-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

For Arnaud Marjollet, Director of Permit Services

N-1237-849-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-850-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 N) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-850-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for Arnaud Marjollet, Director of Permit Services

N-1237-850-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-851-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 O) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-851-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-851-1 : Jul 9 2018 9:27AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-852-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 P) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-852-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-852-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-853-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 Q) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-853-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-853-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-854-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 R) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-854-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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-1237-854-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-855-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 S) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-855-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-855-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-856-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 T) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-856-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-856-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-857-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 U) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-857-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-857-1 Jul 9 2018 9:27AM -- BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-858-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 V) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-858-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-858-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-859-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 W) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-859-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-859-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 215,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 315 lb-VOC/year (equivalent to 2,150,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

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22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-860-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 215,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 215 X) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-860-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 707 lb, and fourth quarter - 708 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-860-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

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8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

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13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 743.9 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 1,451 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-861-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 350,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 350 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-861-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,152 lb, and fourth quarter - 1,152 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-861-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,211.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-862-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 350,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 350 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-862-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,152 lb, and fourth quarter - 1,152 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-862-1 Jul 9 2018 9:27AM -- BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,211.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-863-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 350,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 350 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-863-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,152 lb, and fourth quarter - 1,152 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-863-1 : Jul 9 2018 9:27AM – BRCWND : Joint Inspection NOT Required

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7. When used for wine 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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9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,211.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-864-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 350,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 350 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-864-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,152 lb, and fourth quarter - 1,152 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-864-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,211.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-865-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-865-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-865-1 Jul 9 2018 9:27AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
21. When this tank is used for wine storage, the permittee shall record, on a weekly basis, the total gallons of wine stored in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit
23. 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, the uncontrolled fermentation emissions, and any 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
24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit
26. 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
27. 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 1070, 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-1237-866-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-866-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-866-1 : Jul 9 2018 9:27AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-867-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 C) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-867-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-867-1 Jul 9 2018 9:27AM -- BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-868-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 D) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-868-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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-1237-868-1 Jul 9 2018 9:27AM – BROWNS Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-869-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 E) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-869-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-869-1 : Jul 9 2018 9:28AM – BROWNO : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-870-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 F) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-870-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-870-1 Jul 9 2018 9:28AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-871-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 G) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-871-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services

N-1237-871-1 Jul 9 2018 9:28AM – BROWNO Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-872-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 H) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-872-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-872-1 : Jul 9 2018 9:28AM – BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-873-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 I) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-873-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-873-1 Jul 9 2018 9:28AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-874-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 J) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-874-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-874-1 Jul 9 2018 9:28AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-875-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 K) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-875-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services

N-1237-875-1 Jul 9 2018 9:28AM -- BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-876-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 L) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-876-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services
N-1237-876-1 Jul 9 2018 9:28AM -- BROWND : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-877-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 M) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-877-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

For

Arnaud Marjollet, Director of Permit Services

N-1237-877-1 Jul 9 2018 9:28AM -- BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-878-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 N) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-878-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-878-1 : Jul 9 2018 9:28AM -- BROWNE : Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-879-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 O) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-879-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for

Arnaud Marjollet, Director of Permit Services

N-1237-879-1 Jul 9 2018 9:28AM – BROWNS Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

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9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-880-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 430,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 430 P) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-880-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 1,415 lb, and fourth quarter - 1,416 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-880-1 Jul 9 2018 9:28AM – BROWND Joint Inspection NOT Required

6. When used for wine 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 Rule 4694] Federally Enforceable Through Title V Permit

7. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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 Rule 4694] Federally Enforceable Through Title V Permit

8. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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 Rule 4694] Federally Enforceable Through Title V Permit

9. 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

10. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The maximum wine storage throughput in this tank shall not exceed 430,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The annual VOC emissions from wine storage in this tank, calculated on a rolling 12-month basis, shall not exceed 631 lb-VOC/year (equivalent to 4,300,000 gallons of wine throughput per year). [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 1,487.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall not exceed 2,903 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

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

19. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

20. 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, the uncontrolled fermentation emissions, and any 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

CONDITIONS CONTINUE ON NEXT PAGE

21. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate for storage operations and for fermentation operations (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

22. If the emissions, throughput, or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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, throughput or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions, throughput and ethanol content are below the annual emissions, throughput and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

23. 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

24. 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 1070, 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-1237-881-1 **ISSUANCE DATE:** 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 640,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 640 A) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-881-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 2,106 lb, and fourth quarter - 2,106 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

for

Arnaud Marjollet, Director of Permit Services
N-1237-881-1 : Jul 9 2018 9:28AM – BROWND : Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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

8. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank 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

9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 640,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 2,214.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 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-1237-882-1

ISSUANCE DATE: 07/09/2018

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: ATTN: EHS MANAGER
18000 W RIVER RD
LIVINGSTON, CA 95334

LOCATION: 18000 W RIVER RD
LIVINGSTON, CA 95334

EQUIPMENT DESCRIPTION:
MODIFICATION OF 640,000 GALLON NOMINAL STAINLESS STEEL ENCLOSED TOP WINE STORAGE TANK (TANK 640 B) EQUIPPED WITH INSULATION AND PRESSURE/VACUUM RELIEF VALVE: ADD RED AND WHITE WINE FERMENTATION SERVICE AND ESTABLISH A COMBINED ANNUAL VOC EMISSION LIMIT FROM THE 46 TANKS IN THE 2017 EASTSIDE CONSTRUCTION SPECIFIC LIMITING CONDITION (SLC) #2

CONDITIONS

1. The permittee shall not implement the changes authorized in this Authority to Construct (ATC) until a final Part 70 permit amendment is issued by the District. [District Rule 2520, 6.3] Federally Enforceable Through Title V Permit
2. ATC N-1237-882-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating under the modifications authorized by this ATC, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 2,106 lb, and fourth quarter - 2,106 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16). [District Rule 2201] Federally Enforceable Through Title V Permit
4. ERC Certificate Numbers S-4744-1, C-1404-1, S-4442-1, S-4727-1, S-4751-1, S-4769-1, S-4773-1, or S-4780-1 (or a certificate split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
N-1237-882-1 Jul 9 2018 9:28AM – BROWND Joint Inspection NOT Required

6. For the purposes of this permit, the "2017 Eastside Construction SLC #2" shall consist of the following 46 winery tank permits: N-1237-796 through '-803; '-816 through '-827; '-837 through '-852; '-861 through '-864; '-865 through '-868; '-881; and '-882. [District Rule 2201] Federally Enforceable Through Title V Permit

7. When used for wine 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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9. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. 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

10. 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

11. The weighted annual average ethanol content of wine stored in this tank, calculated on a rolling 12-month basis, shall not exceed 15 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit

12. The maximum wine storage throughput in this tank shall not exceed 640,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

13. The daily VOC emissions for fermentation operations in this tank shall not exceed 3.46 lb/day per 1,000 gallons of nominal tank capacity. [District Rule 2201] Federally Enforceable Through Title V Permit

14. The daily VOC emissions from wine fermentation in this tank shall not exceed 2,214.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

15. The total combined annual VOC emissions from all wine fermentation and storage operations for all tanks within the 2017 Eastside Construction SLC #2, calculated on a rolling 12-month basis, shall not exceed 79,802 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

16. Annual VOC emissions from wine fermentation in this tank, calculated on a rolling 12-month basis, shall be determined by the following equation: E = 6.2 lb per 1000 gallons x annual red wine production (in gallons) + 2.5 lb per 1000 gallons x annual white wine production (in gallons). [District Rule 2201] Federally Enforceable Through Title V Permit

17. Total annual VOC emissions from wine storage operations shall be determined either as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: EF = a * P^2 + b*P + c; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; P is the volume percent ethanol of the wine being transferred; a = -0.38194; b = 0.97917; and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit

19. All wine fermented in this tank shall be subject to the fermentation tank emission reduction measures of District Rule 4694 with actual production in this tank included in the minimum facility-wide fermentation emission reduction of 35% pursuant to District Rule 4694. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. On a monthly basis, the permittee shall calculate and record the combined VOC emissions from the wine fermentation and storage operations, in pounds, from the tanks within the 2017 Eastside Construction SLC #2 for the rolling 12-month period, including calculation methods and parameters used. The combined VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months for each tank. [District Rule 2201] Federally Enforceable Through Title V Permit

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

22. When this tank is used for wine 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 1070 and 2201] Federally Enforceable Through Title V Permit

23. 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, the uncontrolled fermentation emissions, and any 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

24. 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 calculated rolling 12-month wine ethanol content; and the calculated rolling 12-month VOC emission rate from the 2017 Eastside Construction SLC #2 (lb-VOC per rolling 12-month period, calculated monthly). [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit

25. If the emissions or ethanol content calculated for any rolling 12-month period exceeds the annual emissions or ethanol content 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 or ethanol content limits for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions and ethanol content are below the annual emissions and ethanol content limitations. [District Rule 2201] Federally Enforceable Through Title V Permit

26. 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

27. 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 1070, 2201, and 4694] Federally Enforceable Through Title V Permit