



**FEB 20 2014**

Mr Phil Castro  
E & J Gallo Winery  
5610 E Olive Ave  
Fresno CA 93727

**Re Final - Authority to Construct / COC (Significant Mod)  
District Facility # C-447  
Project # C-1133176**

Dear Mr Castro

The Air Pollution Control Officer has issued an Authority to Construct (ATC Permit # C-447-327-0) with a Certificate of Conformity to E & J Gallo Winery at 5610 E Olive Ave Fresno CA The applicant proposes to install one 99 MMBtu/hr natural gas/biogas-fired boiler to replace one 75 MMBtu/hr natural gas/biogas-fired boiler listed in permit C-447-3-12 Enclosed are the Authority to Construct 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 permit was published on December 31 2013 The District's analysis of the proposal was also sent to CARB and US EPA Region IX on December 26, 2013 No comments were received following the District's preliminary decision on this project

Prior to operating with modifications authorized by the Authority to Construct you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520 Section 11 5

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

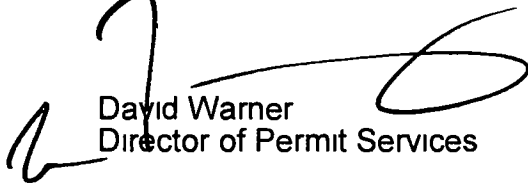
**Central Region (Main Office)**  
1990 E Gettysburg Avenue  
Fresno CA 93726 0244  
Tel (559) 230 6000 FAX (559) 230 6061

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

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

Sincerely



David Warner  
Director of Permit Services

Enclosures

cc Mike Tollstrup CARB (w/enclosure) via email  
cc Gerardo C Rios EPA (w/enclosure) via email



## AUTHORITY TO CONSTRUCT

**PERMIT NO** C-447 329-0

**ISSUANCE DATE** 02/18/2014

**LEGAL OWNER OR OPERATOR** E & J GALLO WINERY  
**MAILING ADDRESS** 5610 E OLIVE AVE  
FRESNO CA 93727

**LOCATION** 5610 E OLIVE AVE  
FRESNO CA 93727

### EQUIPMENT DESCRIPTION

99 MMBTU/HR VICTORY ENERGY OPERATIONS NATURAL GAS/BIOGAS FIRED BOILER EQUIPPED WITH A COEN VERIFLAME MODEL COEN VERIFLAME 99 LOW NOX BURNER FLUE GAS RECIRCULATION SYSTEM AND O2 CONTROLLER SERVED BY A NATIONWIDE MODEL CATASTAK SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

## CONDITIONS

- 1 Within 90 days of startup of the equipment authorized by this Authority to Construct Permit to Operate C-447 3 shall be surrendered to the District and the associated equipment shall be removed or rendered inoperable [District Rule 2201] Federally Enforceable Through Title V Permit
- 2 This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70 7 and 70 8 and with the compliance requirements of 40 CFR 70 6(c) [District Rule 2201] Federally Enforceable Through Title V Permit
- 3 Prior to operating with modifications authorized by this Authority to Construct the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5 3 4 [District Rule 2520 5 3 4] Federally Enforceable Through Title V Permit
- 4 Prior to operating equipment under this Authority to Construct permittee shall surrender NOx emission reduction credits for the following quantities of emissions 1st quarter 146 lb 2nd quarter - 146 lb, 3rd quarter - 146 lb and fourth quarter 146 lb Offsets shall be provided at the applicable offset ratio specified in Table 4 2 of Rule 2201 (as amended 4/21/11) [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230 5950 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

  
DAVID WARNER Director of Permit Services

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- 5 Prior to operating equipment under this Authority to Construct permittee shall surrender VOC emission reduction credits for the following quantities of emissions 1st quarter 854 lb 2nd quarter - 855 lb 3rd quarter 855 lb and fourth quarter 855 lb Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 4/21/11) [District Rule 2201] Federally Enforceable Through Title V Permit
- 6 ERC Certificate Numbers N-1123 2 N 1011-2 N 1010 2 N-768-2 N 900-2 S-4090 1 S-4126-1 S-4116 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 Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit
- 7 No air contaminant shall be released into the atmosphere which causes a public nuisance [District Rule 4102]
- 8 No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1 or 20% opacity [District Rule 4101] Federally Enforceable Through Title V Permit
- 9 Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration [District Rule 4201] Federally Enforceable Through Title V Permit
- 10 All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein [District Rule 2201] Federally Enforceable Through Title V Permit
- 11 All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere [District Rule 2201] Federally Enforceable Through Title V Permit
- 12 A non-resettable totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed utilized and maintained [District Rule 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
- 13 The unit shall only be fired on PUC regulated natural gas and/or on scrubbed biogas from C 447 226 [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
- 14 The H<sub>2</sub>S content of the scrubbed biogas fuel shall not exceed 50 ppmv [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
- 15 Except during start up and shutdown emissions from this unit shall not exceed any of the following limits 5 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.006 lb NO<sub>x</sub>/MMBtu 0.0076 lb PM<sub>10</sub>/MMBtu 200 ppmvd CO @ 3% O<sub>2</sub> (equivalent to 0.147 lb CO/MMBtu) or 0.0055 lb-VOC/MMBtu [District Rules 2201, 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 16 During start up and shutdown emissions from this unit shall not exceed any of the following limits 0.83 lb-NO<sub>x</sub>/hr 0.0076 lb-PM<sub>10</sub>/MMBtu 200 ppmvd CO @ 3% O<sub>2</sub> (equivalent to 0.147 lb CO/MMBtu) or 0.0055 lb-VOC/MMBtu [District Rules 2201 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 17 The total duration of start-up time shall not exceed 5.0 hours per day [District Rules 2201 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 18 The total duration of startup time shall not exceed 4.0 hours per occurrence [District Rules 2201 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 19 The total duration of shutdown time shall not exceed 2.0 hours per day [District Rules 2201 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 20 The total duration of shutdown time shall not exceed 2.0 hours per occurrence [District Rules 2201 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 21 The permittee shall maintain daily records of start up and shutdown durations and number of occurrences of each [District Rules 2201 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 22 The ammonia (NH<sub>3</sub>) emissions shall not exceed 10 ppmvd @ 3% O<sub>2</sub> over a 15 minute averaging period [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

- 23 Source testing to measure NO<sub>x</sub> and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of initial start up [District Rules 2201 4305 4306, and 4320] Federally Enforceable Through Title V Permit
- 24 Source testing to measure natural gas combustion NO<sub>x</sub> CO and NH<sub>3</sub> emissions from this unit shall be conducted at least once every twelve months After demonstrating compliance on two consecutive annual source tests when unit is fired on natural gas the unit shall be tested not less than once every 36 months If the result of the 36 month source test demonstrates that the unit does not meet the applicable emission limits the source testing frequency shall revert to at least once every twelve months [District Rules 2201 4102, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 25 Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv) [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
- 26 For emissions source testing the arithmetic average of three 30 consecutive minute test runs shall apply If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 27 All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer or within 30 minutes after a re-ignition [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
- 28 NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis or EPA Method 19 on a heat input basis [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 29 CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100 [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 30 Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100 [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 31 Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST 1B [District Rule 4102]
- 32 Source testing shall be conducted using the methods and procedures approved by the District The District must be notified at least 30 days prior to any compliance source test and a source test plan must be submitted for approval at least 15 days prior to testing [District Rule 1081] Federally Enforceable Through Title V Permit
- 33 The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 34 The results of each source test shall be submitted to the District within 60 days thereafter [District Rule 1081] Federally Enforceable Through Title V Permit
- 35 The permittee shall monitor and record the stack concentration of NO<sub>x</sub> CO NH<sub>3</sub> and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications NH<sub>3</sub> monitoring shall be conducted utilizing Draeger tubes or a District approved equivalent method Monitoring shall not be required if the unit is not in operation i.e. the unit need not be started solely to perform monitoring Monitoring shall be performed within five days of restarting the unit unless monitoring has been performed within the last month [District Rules 4102 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 36 If the NO<sub>x</sub>, CO or NH<sub>3</sub> concentrations as measured by the portable analyzer or the District approved ammonia monitoring equipment exceed the permitted levels the permittee shall return the emissions to within the acceptable range as soon as possible but no longer than one hour of operation after detection If the portable analyzer or the ammonia monitoring equipment continue to show emission limit violations after one hour of operation following detection, the permittee shall notify the District within the following one hour and conduct a certified source test within 60 days of the first exceedance In lieu of conducting a source test the permittee may stipulate a violation has occurred subject to enforcement action The permittee must then correct the violation show compliance has been re-established, and resume monitoring procedures If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition [District Rules 4305 4306, and 4320] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

- 37 All NO<sub>x</sub> CO O<sub>2</sub> and NH<sub>3</sub> emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to operate The NO<sub>x</sub> CO and O<sub>2</sub> analyzer as well as the NH<sub>3</sub> emission monitoring equipment shall be calibrated maintained and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five readings, evenly spaced out over the 15 consecutive minute period [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 38 NH<sub>3</sub> emission readings shall be conducted at the time the NO<sub>x</sub> CO and O<sub>2</sub> readings are taken The readings shall be converted to ppmvd @ 3% O<sub>2</sub> [District Rule 4102]
- 39 The permittee shall maintain records of (1) the date and time of NO<sub>x</sub> CO, NH<sub>3</sub> and O<sub>2</sub> measurements (2) the O<sub>2</sub> concentration in percent by volume and the measured NO<sub>x</sub> CO and NH<sub>3</sub> concentrations corrected to 3% O<sub>2</sub> (3) make and model of the portable analyzer (4) portable analyzer calibration records (5) the method of determining the NH<sub>3</sub> emission concentration and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 40 Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 [District Rules 4305 4306 and 4320] Federally Enforceable Through Title V Permit
- 41 Permittee shall determine sulfur content of combusted natural gas annually or shall demonstrate that the combusted natural gas is provided from a PUC or FERC regulated source [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
- 42 The permittee shall monitor the biogas H<sub>2</sub>S concentration at the outlet of the biogas scrubber (Permit to Operate C 447-226) on a weekly basis If the biogas H<sub>2</sub>S concentration does not exceed 50 ppmv for four consecutive weeks, monitoring may be conducted on a monthly basis If the H<sub>2</sub>S concentration at the outlet exceeds 50 ppmv, weekly monitoring shall resume [District Rule 4320] Federally Enforceable Through Title V Permit
- 43 The permittee shall take readings of the NO<sub>x</sub> concentration and O<sub>2</sub> percent by volume using the in-stack monitoring system at least once per each day that the boiler operates [District Rule 2201 and 40 CFR Part 64.9] Federally Enforceable Through Title V Permit
- 44 During times when the in stack monitoring system is down for maintenance or repairs the permittee shall use a District approved portable analyzer to record daily NO<sub>x</sub> and O<sub>2</sub> concentrations The permittee shall maintain records of the portable analyzer readings including the date(s) and reason the in stack monitoring system was not operating [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
- 45 The permittee shall maintain daily records of the NO<sub>x</sub> and O<sub>2</sub> concentration from the in stack monitoring system These records shall be made available for District inspection upon request [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
- 46 The permittee shall compare the NO<sub>x</sub> and O<sub>2</sub> concentrations from the in stack monitoring system with the concentration of NO<sub>x</sub> and O<sub>2</sub> readings from calibration gas cylinders for NO<sub>x</sub> and O<sub>2</sub> at least once during each month that the boiler operates The permittee shall maintain these comparison readings and these records shall be available for District inspection upon request [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
- 47 If the NO<sub>x</sub> or O<sub>2</sub> concentrations as measured by the in-stack monitoring system exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection If the in stack monitoring system continues to show emission limit violations after 1 hour of operation following detection the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance In lieu of conducting a source test the permittee may stipulate a violation that is subject to enforcement action has occurred The permittee must then correct the violation, show compliance has been re-established and resume monitoring procedures If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition [District Rules 4102 4305 4306 and 4320] Federally Enforceable Through Title V Permit

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- 48 The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64 7 [40 CFR Part 64 7] Federally Enforceable Through Title V Permit
- 49 If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64 7(d)(2) the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64 8 [40 CFR Part 64 8] Federally Enforceable Through Title V Permit
- 50 The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64 9 [40 CFR Part 64 9] Federally Enforceable Through Title V Permit
- 51 Permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler [District Rules 2201 and 40 CFR 60 48 (c)(g)] Federally Enforceable Through Title V Permit
- 52 All records shall be maintained and retained on-site for a minimum of five years and shall be made available for District inspection upon request [District Rules 1070 4305 4306, and 4320] Federally Enforceable Through Title V Permit