



MAY 19 2011

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

**Re: Notice of Minor Title V Permit Modification
District Facility # C-447
Project # C-1102185**

Dear Mr. Castro:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authorities to Construct C-447-1-10, 2-16, 3-8, 3-9, and 4-8 into the Title V operating permit. Authority to Construct C-447-3-8 authorizes a boiler to fire on scrubbed biogas in addition to the previously allowed natural gas fuel. Authorities to Construct C-447-1-10, '2-16, '3-9, and '4-8 limit each of the four boilers to a 7 ppmvd NOx limit for District Rule 4320 compliance and adds Rule 4320 provisions to each permit.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct C-447-1-10, 2-16, 3-8, 3-9, and 4-8, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

DW:JH/bw

Enclosures

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



MAY 19 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

**Re: Notice of Minor Title V Permit Modification
District Facility # C-447
Project # C-1102185**

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. E&J Gallo Winery is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct C-447-1-10, 2-16, 3-8, 3-9, and 4-8 into the Title V operating permit. Authority to Construct C-447-3-8 authorizes a boiler to fire on scrubbed biogas in addition to the previously allowed natural gas fuel. Authorities to Construct C-447-1-10, '2-16, '-3-9, and '-4-8 limit each of the four boilers to a 7 ppmvd NOx limit for District Rule 4320 compliance and adds Rule 4320 provisions to each permit.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct C-447-1-10, 2-16, 3-8, 3-9, and 4-8, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

DW: JH/bw

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TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1102185

Engineer: James Harader
Date: December 2, 2010

Facility Number: C-447
Facility Name: E & J Gallo Winery
Mailing Address: 5610 E. Olive Ave
Fresno, CA 93727

Contact Name: Phil Castro
Phone: (559) 458-2417

Responsible Official: Phil Castro
Title: Plant Manager

I. PROPOSAL

E & J Gallo Winery is proposing a Title V minor permit modification to incorporate Authorities to Construct C-447-1-10, 2-16, 3-8, 3-9, and 4-8 into the existing Title V operating permit.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

This facility is located at 5610 E. Olive Ave in Fresno, CA.

III. EQUIPMENT DESCRIPTION

C-447-1-11: 62.0 MMBTU/HR B & W BIOGAS/NATURAL GAS-FIRED BOILER EQUIPPED WITH A TODD LOW-NOX BURNER, FLUE GAS RECIRCULATION, O2 AND CO TRIM CONTROLLERS, AND A CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM MODEL SHELL DNOX LFR

C-447-2-17: 142.0 MMBTU/HR NEBRASKA MODEL 84 NATURAL GAS-FIRED BOILER WITH A TODD LOW NOX BURNER, FLUE GAS RECIRCULATION (FGR) SYSTEM, CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM, AND AN ABB MODEL AO2000 CEMS

C-447-3-11: 75.0 MMBTU/HR BIGELOW BIOGAS/NATURAL GAS-FIRED BOILER, S/N 12722, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O₂ TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

C-447-4-9: 75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 576, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O₂ TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

C-447-1-11:

The applicant is proposing to incorporate Authority to Construct C-447-1-10 into their existing Title V permit. Authority to Construct, C-447-1-10, proposes to lower the NO_x emissions for a boiler to 7 ppmvd for District Rule 4320 compliance. The following changes to the existing permit conditions will occur:

Existing Permit to Operate, C-447-1-9 condition #5 limits the sulfur content of scrubbed biogas to 50 ppmv. Authority to Construct, C-447-1-10 condition #9 clarifies that the H₂S content of the scrubbed biogas should not exceed 50 ppmv, as all calculations were based on the H₂S content and not the sulfur content. The corrected requirement is included on the new Permit to Operate, C-447-1-11, as condition #6.

Existing Permit to Operate, C-447-1-9 condition #6 limits steady state emissions from the boiler. Authority to Construct, C-447-1-10 condition #10 lowers the NOx emission limit to 7 ppmvd @ 3% O₂ for District Rule 4320 compliance. The revised requirement is included on the new Permit to Operate, C-447-1-11, as condition #7.

Existing Permit to Operate, C-447-1-9 condition #32 lists daily emission limits for NOx, CO, VOC, and PM10. The steady state and startup emission concentration limits along with the startup/shutdown duration requirements and the maximum rating of the unit result in emissions equal to or less than the daily limits listed in existing condition #32. Therefore, this condition was determined to be redundant and has been removed from the Permit to Operate.

Existing Permit to Operate, C-447-1-9 condition #34 lists portable analyzer requirements for NOx and CO. This condition should have also included NH₃ as a pollutant subject to the requirements. Authority to Construct C-447-1-10 condition #32 adds NH₃, to clarify that the portable analyzer requirements also apply for NH₃. The revised requirements is included on the new Permit to Operate, C-447-1-11, as condition #29.

Authority to Construct, C-447-1-10 condition #1 requires the facility to submit an application to modify the Title V permit in the appropriate timeframe. This condition has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct, C-447-1-10 conditions #2 and #3 list requirements that are already stated on the facility-wide Permit to Operate, C-447-0-2. Therefore, these requirements will not be included on the new Permit to Operate for the boiler.

Authority to Construct, C-447-1-10 condition #34 includes a requirement to take NH₃ readings at the time NOx, CO, and O₂ readings are taken. This condition is new and will be included on the new Permit to Operate, C-447-1-11, as condition #31.

Authority to Construct, C-447-1-10 conditions #37 and #38 require the unit to meet the sulfur monitoring requirements added by District Rule 4320. Since issuing the Authority to Construct permit, the District has revised the general Condition language for sulfur monitoring when firing on natural gas. Therefore, Authority to Construct condition #37 will be updated to the latest approved District language at this time. These requirements will be included on the New Permit to Operate as conditions #34 and #35.

C-447-2-17

The applicant is proposing to incorporate Authority to Construct C-447-2-16 into their existing Title V permit. Authority to Construct, C-447-2-16, proposes to lower the NOx emissions for a boiler to 7 ppmvd for District Rule 4320 compliance. The following changes to the existing permit conditions will occur:

Existing Permit to Operate, C-447-2-12 condition #7 limits steady state emissions from the boiler. Authority to Construct, C-447-2-16 condition #9 lowers the NOx emission limit to 7 ppmvd @ 3% O₂ for District Rule 4320 compliance. The revised requirement is included on the new Permit to Operate, C-447-1-11, as condition #6.

Existing Permit to Operate, C-447-2-12 condition #44 includes a permit shield for various rules. As shown Authority to Construct C-447-2-16 Condition #51, District Rule 4351 has been removed from the list of rules since this boiler is not subject to District Rule 4351 requirements. The revised permit shield is included on the new Permit to Operate, C-447-2-17, as condition #47.

Authority to Construct, C-447-2-16 condition #1 requires the facility to submit an application to modify the Title V permit in the appropriate timeframe. This condition has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct, C-447-2-16 conditions #3 and #4 list requirements that are already stated on the facility-wide Permit to Operate, C-447-0-2. Therefore, these requirements will not be included on the new Permit to Operate for the boiler.

Authority to Construct, C-447-2-16 condition #19 includes initial source testing requirements for NOx, CO, and NH₃. The initial source testing requirement will be satisfied prior to the issuance of the Permit to Operate. Thus, this requirement will not be included on the new Permit to Operate for the boiler.

Authority to Construct, C-447-2-16 conditions #32 and #33 include requirements that ensure that the CEMS system is compatible with the District's data polling software. These conditions are new and will be included on the new Permit to Operate, C-447-2-17, as conditions #28 and #29.

Authority to Construct, C-447-2-16 condition #45 requires the unit to meet the District Rule sulfur monitoring requirements added by District Rule 4320. Since issuing the Authority to Construct permit, the District has revised the general Condition language for sulfur monitoring when firing on natural gas. Therefore, Authority to Construct condition #45 will be updated to the latest approved District language at this time. This requirement will be included on the New Permit to Operate as condition #41.

C-447-3-10:

The applicant is proposing to incorporate both Authorities to Construct C-447-3-8 and C-447-3-9 into their existing Title V permit. Authority to Construct, C-447-3-8 proposes to modify the boiler to allow the combustion of biogas vented from the biogas scrubbing system, C-447-226. Authority to Construct C-447-3-9 proposes to lower the NOx emissions for the boiler to 7 ppmvd for District Rule 4320 compliance. The following changes to the existing permit Conditions will occur:

Existing Permit to Operate, C-447-3-7 condition #3 requires the boiler to only utilize natural gas fuel. Authority to Construct C-447-3-8 condition #7 revised this condition to allow the use of natural gas fuel and/or scrubbed biogas from C-447-226. This revised requirement is also listed on Authority to Construct C-447-3-9 as condition #7. The revised requirement will be included on the new Permit to Operate as condition #6.

Existing Permit to Operate C-447-3-7 condition #5 requires natural gas fuel usage to not exceed 1,353,000 standard cubic feet during any given day. Authorities to Construct C-447-3-8 condition #9 and C-447-3-9 condition #9 firing of biogas fuel to the 1,353,000 scf daily limit. The revised requirement will be included on the new Permit to Operate as condition #5.

Existing Permit to Operate C-447-3-7 conditions #6 and #12 list emission limits for this boiler. Authority to Construct C-447-3-9 conditions #11 and #12 include revised emission limits for the unit, including a lowered NOx limit for compliance with District Rule 4320. The revised requirements will be included on the new Permit to Operate as conditions #7 and #8.

Existing Permit to Operate C-447-3-7 condition #15 lists the source testing frequency for this unit. Authorities to Construct C-447-3-8 condition #20 and C-447-3-9 condition #21 revise this condition to include biogas fuel. The revised requirement will be included on the new Permit to Operate as condition #17.

Existing Permit to Operate condition #30 requires the operator to monitor and record the HHV and cumulative annual fuel use for each unit. This requirement was listed for compliance with District Rule 4351; however, these units are not subject to District Rule 4351 since facility-wide emissions are less than the Major Source threshold for NOx. Therefore, this requirement is not applicable and has been removed from the permit.

Existing Permit to Operate condition #39 requires the operator to keep daily records of the quantity of natural gas consumed by the boiler. Authorities to Construct C-447-3-8 condition #46 and C-447-3-9 condition #41 include a revised provision to keep track of the daily quantity of both natural gas and biogas consumed by the boiler. The revised requirement will be included on the new Permit to Operate as condition #37.

Existing Permit to Operate, C-447-3-7, condition #35 includes a permit shield for various rules. District Rule 4351 has been removed from the list of rules in the permit shield since this boiler is not subject to District Rule 4351 requirements. The revised permit shield will be included on the new Permit to Operate as condition #41.

Authority to Construct C-447-3-8 condition #1 requires the facility to submit an application to modify the TV permit in the appropriate timeframe. This condition has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct C-447-3-8 condition #2 requires Authority to Construct C-447-226-4 to be implemented concurrently. Authority to Construct C-447-226-4 has been implemented and the Permit to Operate will be issued in a separate permitting action. Therefore, this requirement has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct, C-447-3-8 conditions #4 and #5 list requirements that are already stated on the facility-wide Permit to Operate, C-447-0-2. Therefore, these requirements will not be included on the new Permit to Operate for the boiler.

Authority to Construct C-447-3-9 condition #1 requires the facility to submit an application to modify the TV permit in the appropriate timeframe. This condition has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct C-447-3-9 condition #2 requires Authority to Construct C-447-3-8 to be implemented concurrently. Authority to Construct C-447-3-8 has been implemented. Therefore, this requirement has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct, C-447-3-9 conditions #4 and #5 list requirements that are already stated on the facility-wide Permit to Operate, C-447-0-2. Therefore, these requirements will not be included on the new Permit to Operate for the boiler.

Authority to Construct C-447-3-9 condition #10 includes a new requirement of 50 ppmv H₂S for the scrubbed biogas supplied to the boiler. This requirements will be included on the new Permit to Operate as condition #6.

Authority to Construct C-447-3-9 condition #30 includes a requirement to reference the NO_x emission concentrations at dry stack conditions corrected to 3% O₂ and requires lb/MMBtu NO_x rates to be calculated as lb-NO₂/MMBtu of heat input (hhv). This new requirement will be included on the new Permit to Operate as condition #26.

Authority to Construct C-447-3-9 condition #39 requires the permittee to submit a natural gas fuel sulfur content analysis at least once per year. This is a new requirement. The District has revised this requirement to allow the permittee to demonstrate that they operate using PUC or FERC regulated gas, rather than supply a fuel sulfur content analysis. The revised requirement is included on the new Permit to Operate as condition #35.

Authority to Construct C-447-3-9 condition #40 requires the permittee to submit a biogas fuel sulfur content analysis at least once per year. This is a new requirement. The requirement will be included on the new Permit to Operate as condition #36.

C-447-4-9

The applicant is proposing to Incorporate Authority to Construct C-447-4-8 into their existing Title V permit. Authority to Construct, C-447-4-8, proposes to lower the NO_x emissions for a boiler to 7 ppmvd for District Rule 4320 compliance. The following changes to the existing permit conditions will occur:

Existing Permit to Operate, C-447-4-7 condition #12 limits steady state emissions from the boiler. Authority to Construct, C-447-4-8, Condition #9 lowers the NO_x emission limit to 7 ppmvd @ 3% O₂ for District Rule 4320 compliance. The revised requirement is included on the new Permit to Operate, C-447-4-9, as condition #7.

Existing Permit to Operate, C-447-4-7 condition #30, requires the operator to monitor and record the hhv and cumulative annual use of each fuel. This condition was placed on the original permit to comply with District Rule 4351; however, this boiler is not subject to District Rule 4351 requirements. Therefore, this condition has been removed from the new Permit to Operate.

Existing Permit to Operate, C-447-4-7 condition #35 includes a permit shield for various rules. As shown in Authority to Construct C-447-2-16 condition #42, District Rule 4351 has been removed from the list of rules since this boiler is not subject to District Rule 4351 requirements. The revised permit shield is included on the new Permit to Operate, C-447-4-9, as condition #39.

Authority to Construct, C-447-4-8 condition #1 requires the facility to submit an application to modify the Title V permit in the appropriate timeframe. This condition has been satisfied and will not be included on the new Permit to Operate.

Authority to Construct, C-447-4-8 conditions #2 and #3 list requirements that are already stated on the facility-wide Permit to Operate, C-447-0-2. Therefore, these requirements will not be included on the new Permit to Operate for the boiler.

Authority to Construct, C-447-4-8 condition #19 includes initial source testing requirements for NO_x, CO, and NH₃. The initial source testing requirement will be satisfied prior to the issuance of the Permit to Operate. Thus, this requirement will not be included on the new Permit to Operate for the boiler.

Authority to Construct, C-447-4-8 condition #42 requires the unit to meet the District Rule sulfur monitoring requirements added by District Rule 4320. Since issuing the Authority to Construct permit, the District has revised the general Condition language for sulfur monitoring when firing on natural gas. Therefore, Authority to Construct C-447-4-8 condition #42 will be updated to the latest approved District language at this time. This requirement will be included on the New Permit to Operate as condition #35.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or Conditions;

3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or Condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and Conditions include;
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permits No. C-447-1-11, 2-17, 3-11, and 4-9
- B. Authorities to Construct No. C-447-1-10, 2-16, 3-8, 3-9, and 4-8
- C. Application
- D. Previous Title V Operating Permits No. C-447-1-9, 2-12, 3-7, and 4-7

ATTACHMENT A

**Proposed Modified Title V Operating Permits No.
C-447-1-11, 2-17, 3-11, and 4-9**

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-1-11

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

62.0 MMBTU/HR B & W BIOGAS/NATURAL GAS-FIRED BOILER EQUIPPED WITH A TODD LOW NOX BURNER, FLUE GAS RECIRCULATION, O₂ AND CO TRIM CONTROLLERS, AND A CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM MODEL SHELL DNOX LFR

PERMIT UNIT REQUIREMENTS

1. 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 NSR Rule] Federally Enforceable Through Title V Permit
2. 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District NSR Rule and Rules 4301 and 4320, and Fresno County Rule 406] Federally Enforceable Through Title V Permit
5. The unit shall not burn more than 1,296,000 scf of biogas fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The H₂S content of the scrubbed biogas fuel shall not exceed 50 ppmv. [District NSR Rule and Rule 4320] Federally Enforceable Through Title V Permit
7. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu; 0.0022 lb-PM₁₀/MMBtu; 100 ppmvd CO @ 3% O₂ (equivalent to 0.074 lb-CO/MMBtu); or 0.0025 lb-VOC/MMBtu. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. During start-up and shutdown, emissions from this unit shall not exceed either of the following limits: 0.68 lb-NO_x/hr, or 4.59 lb-CO/hr. [District NSR Rule and District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. The total duration of start-up time shall not exceed 9.0 hours per day. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 6.0 hours per day. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 6610 E OLIVE AVE, FRESNO, CA 93727
C-447-1-11: Doc 1 2010 4:40PM - HARADERJ

14. The ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂ over a 15 minute averaging period. [District Rule 4102]
15. Ammonia emission readings shall be conducted at the time the NO_x, CO, and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
16. Source testing to measure natural gas/biogas combustion NO_x, CO, and NH₃ 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/biogas, 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 NSR Rule and District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. 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
19. 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
20. NO_x 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
21. 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
22. Stack gas oxygen (O₂) 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
23. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]
24. 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
25. 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
26. 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
27. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
28. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

29. If the NO_x, CO or NH₃ 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
30. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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
31. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
32. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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
33. Operator shall provide that fuel hvy 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
34. 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
35. The permittee shall monitor the biogas H₂S concentration at the outlet of the biogas scrubber (Permit to Operate C-447-226) on a weekly basis. If the biogas H₂S concentration does not exceed 50 ppmv for four consecutive weeks, monitoring may be conducted on a monthly basis. If the H₂S concentration at the outlet exceeds 50 ppmv, weekly monitoring shall resume. [District Rule 4320] Federally Enforceable Through Title V Permit
36. Records of the daily natural gas and biogas consumption shall be maintained on the premises. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
37. 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
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements of County Rule 406 (Fresno) and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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41. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of SJVUAPCD Rule 1081. A permit shield is granted from this requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-1-11: Dec 1 2010 4:40PM - HARADERJ

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-2-17

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

142.0 MMBTU/HR NEBRASKA MODEL 84 NATURAL GAS-FIRED BOILER WITH A TODD LOW NOX BURNER, FLUE GAS RECIRCULATION (FGR) SYSTEM, CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM, AND AN ABB MODEL AO2000 CEMS

PERMIT UNIT REQUIREMENTS

1. To ensure the validity of the ERCs issued by Project # 920370, NOx emissions shall not exceed the 0.036 pound per million Btu limitation based on a 24-hour rolling average of the NOx concentration calculated from CEMS. All performance testing shall be done in compliance with District Rules. [District NSR Rule and Rule 2301 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. 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 NSR Rule] Federally Enforceable Through Title V Permit
3. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District NSR Rule and District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201 and 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-regulated natural gas. [District NSR Rule and District Rules 4301, 4306, and 4320, Fresno County Rule 406] Federally Enforceable Through Title V Permit
6. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O₂ or 0.008 lb-NOx/MMBtu; 0.00285 lb-SOx/MMBtu; 0.0024 lb-PM10/MMBtu; 200 ppmvd CO @ 3% O₂ (equivalent to 0.148 lb-CO/MMBtu); or 0.0027 lb-VOC/MMBtu. [District NSR Rule and Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
7. During start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed either of the following limits: 1.56 lb-NOx/hr, or 21.0 lb-CO/hr. [District NSR Rule and District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. NOx emissions shall not exceed 0.10 lb/MMBtu including periods of startup, shutdown, or malfunction. Compliance with the 0.10 pound per million Btu limitation shall be based on a 30-day rolling average of the NOx concentration calculated from CEMS. All performance testing shall be done in compliance with 40 CFR 60.8. [40 CFR 60.44b (c), (e), (h), and (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-2-17, Dec 1 2010 4:40PM - HARADER

12. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The permittee shall record the daily startup and shutdown duration times of the boiler. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. The ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
15. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 2520, 9.3.2, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. Source testing to measure natural gas-combustion NO_x and CO emissions, and ammonia (NH₃) emissions from this unit shall be conducted at least once every twelve months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. The facility shall source test VOC and PM₁₀ emissions from this unit upon request by the District. Emissions shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty minute test runs unless other averaging times are approved in advance. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. The source 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
19. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. 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 Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. NO_x 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
22. 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
23. Stack gas oxygen (O₂) 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
24. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District NSR Rule] Federally Enforceable Through Title V Permit
25. 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
26. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
27. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x emissions in ppmv (as NO₂ corrected to 3% O₂), CO emissions in ppmv (corrected to 3% O₂) and O₂ concentrations must be recorded continuously. [District NSR Rule and District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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28. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
29. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
30. The nitrogen oxide emission rates measured by the CEMS shall be expressed in lb/million Btu or in ng/J. The 1-hour average emission rates shall be calculated using the data points required under Section 60.13(b). The records shall also include a daily emission rate consisting of an averaged 24 hour rolling emission rate. [District NSR Rule; 40 CFR 60.48b (d) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
31. The procedures under Section 60.13 shall be followed for evaluation, and operation of the CEMS. [40 CFR 60.48b (e) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
32. Operation and calibration of the Continuous Emissions Monitoring System shall be in accordance with the requirements of 40 CFR, Part 60, Appendix B. [District Rules 1080 and 4001 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
33. The owner/operator shall on a perform a relative accuracy test (RATA) as specified by 40 CFR Part 60, Appendix F, and as specified by 40 CFR Part 60, Appendix B, Spec. 2, Section 7 annually. [40 CFR Part 60.13(c), District Rule 1080 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b (f) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
35. Daily summaries of continuous monitoring records for each calendar quarter shall be submitted to the District within 30 days of the end of the calendar quarter. [40 CFR 60.49b (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
36. The following records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NOx emission rate, (3) Average 30-day emission rate for preceding 30 operating days, (4) Identification of daily NOx limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of F factor used for calculations, (8) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (9) Description of modifications to the CEMS, (10) Results of daily CEMS drift tests and other tests required under Appendix B. [40 CFR 60.49b (g) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
37. The owner shall submit quarterly excess emission reports for any calendar quarter during which there are excess emissions. The owner shall also submit semiannual reports stating that there have been no excess emissions during periods when there have been no excess emissions. [40 CFR 60.49b (h)] Federally Enforceable Through Title V Permit
38. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
39. Ammonia (NH₃) emission readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
40. The permittee shall maintain records of: (1) the date and time of ammonia (NH₃) measurements, (2) the O₂ concentration in percent by volume and the measured NH₃ concentrations corrected to 3% O₂, (3) the method of determining the NH₃ emission concentration, and (4) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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41. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
42. 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 for gaseous fuels. [District Rules 2520, 9.3.2, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
43. The owner shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for each calendar quarter. [40 CFR 60.49b (d)] Federally Enforceable Through Title V Permit
44. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
45. 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
46. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed Fresno County APCD Rules: 108.1, 404, 406, and 408. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
47. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4301, 4305, and 40 CFR 60 subpart Db. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-3-11

EXPIRATION DATE: 08/30/2007

EQUIPMENT DESCRIPTION:

75.0 MMBTU/HR BIGELOW BIOGAS/NATURAL GAS-FIRED BOILER, S/N 12722, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District Rules 2201, and 4301, 5.2.1 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
5. The combined biogas and natural gas fuel usage for this unit shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. H₂S content of the scrubbed biogas fuel shall not exceed 50 ppmv. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂ or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; or 0.0024 lb-PM₁₀/MMBtu. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
8. During start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 0.83 lb-NO_x/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM₁₀/hr; or 0.45 lb-SO_x/hr. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
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14. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. The ammonia (NH₃) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
16. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. Source testing to measure natural gas/biogas combustion NO_x, CO, and NH₃ 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 NSR Rule and District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. 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
19. 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
20. NO_x 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
21. 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
22. Stack gas oxygen (O₂) 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
23. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
24. 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
25. 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
26. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305] Federally Enforceable Through Title V Permit
27. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

28. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
29. If the NO_x, CO or NH₃ 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
30. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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
31. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
32. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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
33. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
34. Operator shall provide that fuel hgv 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 2520, 9.3.2, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
35. 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
36. The permittee shall monitor the biogas H₂S concentration at the outlet of the biogas scrubber (Permit to Operate C-447-226) on a weekly basis. If the biogas H₂S concentration does not exceed 50 ppmv for four consecutive weeks, monitoring may be conducted on a monthly basis. If the H₂S concentration at the outlet exceeds 50 ppmv, weekly monitoring shall resume. [District Rule 4320] Federally Enforceable Through Title V Permit
37. The permittee shall maintain daily records of the amount of natural gas and biogas consumed by this boiler, in standard cubic feet. [District Rule 2201] Federally Enforceable Through Title V Permit
38. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

39. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-3-11: 0001 2010 4:10PM - HARADERJ

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-4-9

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 576, WITH A TODD MODEL V-485-FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. This unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
5. The natural gas fuel usage shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂ or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; 0.0024 lb-PM₁₀/MMBtu; or 0.00285 lb-SO_x/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
7. During start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 0.83 lb-NO_x/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM₁₀/hr; or 0.21 lb-SO_x/hr. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5610 E OLIVE AVE, FRESNO, CA 93727
C-447-4-9; Dec 1 2010 4:40PM - HARADERJ

14. The ammonia (NH₃) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
15. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. Source testing to measure the NO_x, CO and NH₃ emissions from this unit shall be conducted at least once every twelve months. After demonstrating compliance on two consecutive annual source tests, 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
17. 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
18. 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
19. NO_x 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
20. 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
21. Stack gas oxygen (O₂) 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
22. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
26. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

27. If the NO_x, CO or NH₃ 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
28. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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
29. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
30. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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
31. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. 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 2520, 9.3.2, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
33. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
34. The permittee shall maintain records of the daily amount of natural gas consumed by this boiler, in standard cubic feet. [District Rule 2201] Federally Enforceable Through Title V Permit
35. 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
36. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
37. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

40. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 6810 E OLIVE AVE, FRESNO, CA 93727
C-447-4-9; Dec 1 2010 4:40PM - HARADERJ

DRAFT

ATTACHMENT B

**Authorities to Contract No.
C-447-1-10, 2-16, 3-8, 3-9, and 4-8**



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT


HEALTHY AIR LIVING™

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: C-447-1-10

ISSUANCE DATE: 04/28/2010

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:

MODIFICATION OF A BOILER TO REDUCE THE NOX EMISSION LIMIT TO 7 PPMVD @ 3% O2 FOR RULE 4320 COMPLIANCE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 62.0 MMBTU/HR B & W BOILER EQUIPPED WITH TODD LOW-NOX BURNER, FLUE GAS RECIRCULATION, O2 AND CO TRIM CONTROLLERS, AND A CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM MODEL SHELL DNOX LFR

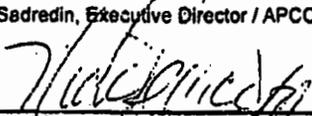
CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. 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 NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District NSR Rule and Rules 4301 and 4320, and Fresno County Rule 406]

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

C-447-1-10 Apr 28 2010 8:27AM - HARADERJ Joint Inspection 1001 Return

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726 • (559) 230-5900 • Fax (559) 230-6061

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8. The unit shall not burn more than 1,296,000 scf of biogas fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The H₂S content of the scrubbed biogas fuel shall not exceed 50 ppmv. [District NSR Rule and Rule 4320]
10. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu; 0.0022 lb-PM₁₀/MMBtu; 100 ppmvd CO @ 3% O₂ (equivalent to 0.074 lb-CO/MMBtu); or 0.0025 lb-VOC/MMBtu. [District NSR Rule and Rules 4305, 4306, and 4320]
11. During start-up and shutdown, emissions from this unit shall not exceed either of the following limits: 0.68 lb-NO_x/hr, or 4.59 lb-CO/hr. [District NSR Rule and District Rules 4305, 4306, and 4320]
12. The total duration of start-up time shall not exceed 9.0 hours per day. [District NSR Rule and Rules 4305, 4306, and 4320]
13. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District NSR Rule and Rules 4305, 4306, and 4320]
14. The total duration of shutdown time shall not exceed 6.0 hours per day. [District NSR Rule and Rules 4305, 4306, and 4320]
15. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District NSR Rule and Rules 4305, 4306, and 4320]
16. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District NSR Rule and Rules 4305, 4306, and 4320]
17. The ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂ over a 15 minute averaging period. [District Rule 4102]
18. Ammonia emission readings shall be conducted at the time the NO_x, CO, and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
19. Source testing to measure natural gas/biogas combustion NO_x, CO, and NH₃ 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/biogas, 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 NSR Rule and District Rules 4102, 4305, 4306, and 4320]
20. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4320]
21. 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]
22. 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]
23. NO_x 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]
24. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
25. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
26. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

27. 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
28. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]
29. 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
30. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320]
31. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
32. If the NO_x, CO or NH₃ 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]
33. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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]
34. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
35. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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]
36. 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]
37. On and after July 1, 2010, the permittee shall submit an analysis showing the natural gas fuel sulfur content at least once a year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
38. On and after July 1, 2010, the permittee shall monitor the biogas H₂S concentration at the outlet of the biogas scrubber (Permit to Operate C-447-226) on a weekly basis. If the biogas H₂S concentration does not exceed 50 ppmv for four consecutive weeks, monitoring may be conducted on a monthly basis. If the H₂S concentration at the outlet exceeds 50 ppmv, weekly monitoring shall resume. [District Rule 4320]

CONDITIONS CONTINUE ON NEXT PAGE

39. Records of the daily natural gas and biogas consumption shall be maintained on the premises. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
40. 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]
41. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements of County Rule 406 (Fresno) and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of SJVUAPCD Rule 1081. A permit shield is granted from this requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT


HEALTHY AIR LIVING™

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: C-447-2-16

ISSUANCE DATE: 04/28/2010

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY

MAILING ADDRESS: 5810 E OLIVE AVE
FRESNO, CA 93727

LOCATION: 5810 E OLIVE AVE
FRESNO, CA 93727

EQUIPMENT DESCRIPTION:

MODIFICATION OF A BOILER TO REDUCE THE NOX EMISSION LIMIT TO 7 PPMVD @ 3% O2 FOR RULE 4320 COMPLIANCE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 142.0 MMBTU/HR NEBRASKA MODEL 84 NATURAL GAS-FIRED BOILER WITH A TODD LOW NOX BURNER, FLUE GAS RECIRCULATION (FGR) SYSTEM, CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM, AND AN ABB MODEL AO2000 CEMS

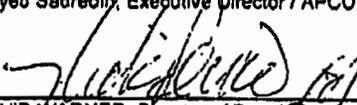
CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. To ensure the validity of the ERCs issued by Project # 920370, NOx emissions shall not exceed the 0.036 pound per million Btu limitation based on a 24-hour rolling average of the NOx concentration calculated from CEMS. All performance testing shall be done in compliance with District Rules. [District NSR Rule and Rule 2301 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. 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]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District NSR Rule and District Rules 4305, 4306, and 4320]
7. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201 and 4301, 5.1 and 5.2.3] 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

C-447-2-16 Apr 28 2010 9:27AM - MAILBOXES - JOHN HARRISON/JOY HARRISON

8. The unit shall only be fired on PUC-regulated natural gas. [District NSR Rule and District Rules 4301, 4306, and 4320, Fresno County Rule 406]
9. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu; 0.00285 lb-SOx/MMBtu; 0.0024 lb-PM10/MMBtu; 200 ppmvd CO @ 3% O2 (equivalent to 0.148 lb-CO/MMBtu); or 0.0027 lb-VOC/MMBtu. [District NSR Rule and Rules 4305, 4306, and 4320]
10. During start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed either of the following limits: 1.56 lb-NOx/hr, or 21.0 lb-CO/hr. [District NSR Rule and District Rules 4305, 4306, and 4320]
11. NOx emissions shall not exceed 0.10 lb/MMBtu including periods of startup, shutdown, or malfunction. Compliance with the 0.10 pound per million Btu limitation shall be based on a 30-day rolling average of the NOx concentration calculated from CEMS. All performance testing shall be done in compliance with 40 CFR 60.8. [40 CFR 60.44b (c), (e), (h), and (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
12. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
13. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
14. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
15. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
16. The permittee shall record the daily startup and shutdown duration times of the boiler. [District Rules 2201, 4305, 4306, and 4320]
17. The ammonia (NH3) emissions shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
18. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 2520, 9.3.2, 4305, 4306, and 4320]
19. Source testing to measure the NOx, CO, and NH3 emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201, 4305, 4306, and 4320]
20. Source testing to measure natural gas-combustion NOx and CO emissions, and ammonia (NH3) emissions from this unit shall be conducted at least once every twelve months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once 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 4102, 4305, 4306, and 4320]
21. The facility shall source test VOC and PM10 emissions from this unit upon request by the District. Emissions shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty minute test runs unless other averaging times are approved in advance. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. The source plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]
23. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. 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 Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. NOx 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]

CONDITIONS CONTINUE ON NEXT PAGE

26. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
27. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
28. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District NSR Rule] Federally Enforceable Through Title V Permit
29. 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]
30. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
31. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x emissions in ppmv (as NO₂ corrected to 3% O₂), CO emissions in ppmv (corrected to 3% O₂) and O₂ concentrations must be recorded continuously. [District NSR Rule and District Rules 4305, 4306, and 4320]
32. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080]
33. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080]
34. The nitrogen oxide emission rates measured by the CEMS shall be expressed in lb/million Btu or in ng/J. The 1-hour average emission rates shall be calculated using the data points required under Section 60.13(b). The records shall also include a daily emission rate consisting of an averaged 24 hour rolling emission rate. [District NSR Rule; 40 CFR 60.48b (d) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
35. The procedures under Section 60.13 shall be followed for evaluation, and operation of the CEMS. [40 CFR 60.48b (e) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
36. Operation and calibration of the Continuous Emissions Monitoring System shall be in accordance with the requirements of 40 CFR, Part 60, Appendix B. [District Rules 1080 and 4001 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
37. The owner/operator shall on a perform a relative accuracy test (RATA) as specified by 40 CFR Part 60, Appendix F, and as specified by 40 CFR Part 60, Appendix B, Spec. 2, Section 7 annually. [40 CFR Part 60.13(c), District Rule 1080 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
38. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b (f) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
39. Daily summaries of continuous monitoring records for each calendar quarter shall be submitted to the District within 30 days of the end of the calendar quarter. [40 CFR 60.49b (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
40. The following records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NO_x emission rate, (3) Average 30-day emission rate for preceding 30 operating days, (4) Identification of daily NO_x limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of F factor used for calculations, (8) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (9) Description of modifications to the CEMS, (10) Results of daily CEMS drift tests and other tests required under Appendix B. [40 CFR 60.49b (g) and 40 CFR Part 64] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

41. The owner shall submit quarterly excess emission reports for any calendar quarter during which there are excess emissions. The owner shall also submit semiannual reports stating that there have been no excess emissions during periods when there have been no excess emissions. [40 CFR 60.49b (h)] Federally Enforceable Through Title V Permit
42. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
43. Ammonia (NH₃) emission readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
44. The permittee shall maintain records of: (1) the date and time of ammonia (NH₃) measurements, (2) the O₂ concentration in percent by volume and the measured NH₃ concentrations corrected to 3% O₂, (3) the method of determining the NH₃ emission concentration, and (4) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rule 4102]
45. On and after July 1, 2010, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
46. 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 for gaseous fuels. [District Rules 2520, 9.3.2, 4305, 4306, and 4320]
47. The owner shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for each calendar quarter. [40 CFR 60.49b (d)] Federally Enforceable Through Title V Permit
48. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
49. 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]
50. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed Fresno County APCD Rules: 108.1, 404, 406, and 408. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
51. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4301, 4305, and 40 CFR 60 subpart Db. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-447-3-8

ISSUANCE DATE: 07/13/2009

LEGAL OWNER OR OPERATOR: E & J GALLO WINERY
MAILING ADDRESS: 6610 E OLIVE AVE
FRESNO, CA 93727

LOCATION: 6610 E OLIVE AVE
FRESNO, CA 93727

EQUIPMENT DESCRIPTION:

MODIFICATION OF 75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 12722, WITH A TODD MODEL V.486.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A ORI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM; ALLOW COMBUSTION OF BIOGAS VENTED FROM BIOGAS SCRUBBING SYSTEM SERVING WASTEWATER ANAEROBIC REACTOR C-447-226 AND SHARED WITH C-447-227

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. This Authority to Construct (ATC) shall be implemented concurrently with ATC C-447-226-4. [District Rule 2201]
3. 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
4. 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]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District Rules 2201, and 4301, 5.2.1, Fresno County Rule 406 and 40 CFR 60.42c(d)]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-6960 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

Mark Warner for

DAVID WARNER, Director of Permit Services

C-447-3-8; Jul 23 2009 9:41 AM - BOARD : Joint Inspection NOT Required

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726 • (559) 230-6900 • Fax (559) 230-6081

8. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
9. Combined biogas or natural gas fuel usage for this unit shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201]
10. H₂S content of the scrubbed biogas shall not exceed 50 ppmv. [District Rule 2201]
11. During start-up and shutdown, emissions from the exhaust of the SCR serving this boiler shall not exceed any of the following limits: 0.83 lb-NO_x/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM₁₀/hr; or 0.45 lb-SO_x/hr. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
14. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. Except during start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂ or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; 0.0024 lb-PM₁₀/MMBtu; or 0.00285 lb-SO_x/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
18. The ammonia (NH₃) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
19. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. Source testing to measure natural gas/biogas combustion NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, the unit shall be tested not less than once every thirty-six (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 (12) months. [District NSR Rule and District Rules 4102, 4305 and 4306]
21. Source testing to measure natural gas/biogas gas-combustion NO_x, CO, and NH₃ emissions from this unit shall be conducted within 60 days from the date in which biogas is first introduced to the emissions unit for combustion. [District NSR Rule, and District Rules 4305 and 4306]
22. 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
23. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
24. NO_x 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 and 4306] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
28. 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 and 4306] Federally Enforceable Through Title V Permit
29. 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
30. Nitrogen oxide (NOx) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O2 and lb/MMBtu rates shall be calculated as lb NO2/MMBtu of heat input (hhv). [District Rules 4305, 8.1 and 4351, 8.1]
31. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the stack concentration of NH3 at least once during each month in which a source test is not performed. NH3 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 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
33. NH3 emission readings shall be conducted at the time the NOx, CO and O2 readings are taken. The readings shall be converted to ppmvd @ 3% O2. [District Rule 4102]
34. If the NOx, CO or NH3 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 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue 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 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 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
35. All NOx, CO, O2 and NH3 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 NOx, CO and O2 analyzer as well as the NH3 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 (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
36. The permittee shall maintain records of: (1) the date and time of NOx, CO, NH3 and O2 measurements, (2) the O2 concentration in percent by volume and the measured NOx, CO and NH3 concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, (5) the method of determining the NH3 emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
37. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rule 4351, 6.1.1] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

38. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
39. Operator shall provide that fuel hhw 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 2520, 9.3.2, 4305, 6.2.1, 4306, 6.2.1, and 4351, 6.2.1]
40. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
46. The permittee shall maintain daily records of the amount of natural gas and biogas consumed by this boiler, in standard cubic feet. [District Rule 2201]
47. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT


HEALTHY AIR LIVING™

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: C-447-3-9

ISSUANCE DATE: 04/28/2010

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:

MODIFICATION OF A BOILER TO REDUCE THE NOX EMISSION LIMIT TO 7 PPMVD @ 3% O2 FOR RULE 4320 COMPLIANCE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 75.0 MMBTU/HR BIGELOW NATURAL GAS/BIOGAS FIRED BOILER, S/N 12722, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

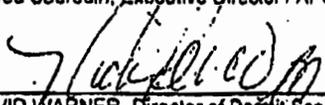
CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct C-447-3-8 shall be implemented prior to the implementation of this Authority to Construct. [District Rule 2201]
3. 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
4. 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]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District Rules 2201, and 4301, 5.2.1 and Fresno County Rule 406] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5960 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

C-447-3-9 Apr 28 2010 9:32AM - PMR/ADD/J and inspection NOT Required

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726 • (559) 230-5900 • Fax (559) 230-6081

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8. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
9. The combined biogas and natural gas fuel usage for this unit shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. H2S content of the scrubbed biogas fuel shall not exceed 50 ppmv. [District Rules 2201 and 4320]
11. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu; 200 ppmvd CO @ 3% O2 or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; or 0.0024 lb-PM10/MMBtu. [District Rules 2201, 4305, 4306 and 4320]
12. During start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 0.83 lb-NOx/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM10/hr; or 0.45 lb-SOx/hr. [District Rules 2201, 4305, 4306, and 4320]
13. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
14. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
15. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
16. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
17. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305, 4306, and 4320]
18. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305, 4306, and 4320]
19. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
20. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 4306, and 4320]
21. Source testing to measure natural gas/biogas combustion NOx, CO, and NH3 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 NSR Rule and District Rules 4102, 4305, 4306, and 4320]
22. 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
23. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]
24. NOx 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]
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
26. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
27. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

28. 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]
29. 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
30. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305] Federally Enforceable Through Title V Permit
31. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320]
32. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
33. If the NO_x, CO or NH₃ 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]
34. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the ammonia 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]
35. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
36. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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]
37. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
38. 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 2520, 9.3.2, 4305, 4306, and 4320]
39. On and after July 1, 2010, the permittee shall submit an analysis showing the natural gas fuel sulfur content at least once a year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]

CONDITIONS CONTINUE ON NEXT PAGE

40. On and after July 1, 2010, the permittee shall monitor the biogas H₂S concentration at the outlet of the biogas scrubber (Permit to Operate C-447-226) on a weekly basis. If the biogas H₂S concentration does not exceed 50 ppmv for four consecutive weeks, monitoring may be conducted on a monthly basis. If the H₂S concentration at the outlet exceeds 50 ppmv, weekly monitoring shall resume. [District Rule 4320]
41. The permittee shall maintain daily records of the amount of natural gas and biogas consumed by this boiler, in standard cubic feet. [District Rule 2201]
42. 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]
43. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
46. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
47. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



HEALTHY AIR LIVING™

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: C-447-4-8

ISSUANCE DATE: 04/28/2010

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:

MODIFICATION OF A BOILER TO REDUCE THE NOX EMISSION LIMIT TO 7 PPMVD @ 3% O2 FOR RULE 4320 COMPLIANCE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 576, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

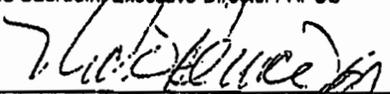
CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. 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
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
6. Thus unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4301, and 4320]
7. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] 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.

Sayed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services

C-447-4-8 4/29/2010 9:32AM -- PARADERJ Job#119636811701 Request

8. The natural gas fuel usage shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Except during start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu; 200 ppmvd CO @ 3% O2 or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; 0.0024 lb-PM10/MMBtu; or 0.00285 lb-SOx/MMBtu. [District Rules 2201, 4305, 4306, and 4320]
10. During start-up and shutdown, emissions from this unit shall not exceed any of the following limits: 0.83 lb-NOx/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM10/hr; or 0.21 lb-SOx/hr. [District Rules 2201, 4305, 4306, and 4320]
11. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
12. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
13. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, 4306, and 4320]
14. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, 4306, and 4320]
15. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305, 4306, and 4320]
16. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305, 4306, and 4320]
17. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rule 4102]
18. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 4306, and 4320]
19. Source testing to measure the NOx, CO, and NH3 emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201, 4305, 4306, and 4320]
20. Source testing to measure the NOx, CO and NH3 emissions from this unit shall be conducted at least once every twelve months. After demonstrating compliance on two consecutive annual source tests, 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]
21. 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
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]
23. NOx 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]
24. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320]
25. Stack gas oxygen (O2) shall be determined using EPA Method J or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320]
26. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
27. 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]

CONDITIONS CONTINUE ON NEXT PAGE

28. 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
29. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 4305, 4306, and 4320]
30. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
31. If the NO_x, CO or NH₃ 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]
32. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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]
33. NH₃ emission readings shall be conducted at the time the NO_x, CO and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
34. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ 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]
35. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
36. Operator shall provide that fuel hhw 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 2520, 9.3.2, 4305, 4306, and 4320]
37. On and after July 1, 2010, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
38. The permittee shall maintain records of the daily amount of natural gas consumed by this boiler, in standard cubic feet. [District Rule 2201] Federally Enforceable Through Title V Permit
39. 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]

CONDITIONS CONTINUE ON NEXT PAGE

40. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

E&J Gallo Winery
Facility # C-447
Project # C-1102185

December 2, 2010

ATTACHMENT C

Application

San Joaquin Valley Air Pollution Control District

www.valleyair.org

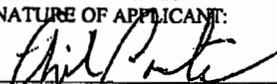
FORM 001 10 10 10

JUN -7 2010

Permits Srvo
SJVAPCD

Permit Application For:

- AUTHORITY TO CONSTRUCT (ATC) - New Emission Unit
- AUTHORITY TO CONSTRUCT (ATC) - Modification Of Emission Unit With Valid PTO/Valid ATC
- AUTHORITY TO CONSTRUCT (ATC) - Renewal of Valid Authority to Construct
- PERMIT TO OPERATE (PTO) - Existing Emission Unit Now Requiring a Permit to Operate

1. PERMIT TO BE ISSUED TO: E&J Gallo Winery-Fresno	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>5610 E. Olive Avenue</u> CITY: <u>Fresno</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93727</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>same as above</u> CITY: _____ _____/4 SECTION _____ TOWNSHIP _____ RANGE _____	WITHIN 1,000 FT OF A SCHOOL? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO S.I.C. CODE(S) OF FACILITY (If known): _____
4. GENERAL NATURE OF BUSINESS: Production of wine, brandy and concentrates	INSTALL DATE: Already installed; requesting minor modification permit for boilers 1, 2, 3, 4 (C-447-1,2,3,4). Application submitted to District prior to pre-startup inspection; compliance with District Rule 4320 by 7/1/10.
5. TITLE V PERMIT HOLDERS ONLY: Do you request a COC (EPA Review) prior to receiving your ATC (If yes, please complete and attach a Compliance Certification form (TVFORM-009)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
6. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Request minor modification permit for boilers 1, 2, 3, and 4 (C-447-1, -2, -3, and -4). Minor modification permit application submitted to District prior to emissions unit start-up and operation. Please see attached and completed Compliance Certification form and current Authority to Construct Permits for each boiler.	
7. PERMIT REVIEW PERIOD: Do you request a three- or ten-day period to review the draft Authority to Construct permit? Please note that checking "YES" will delay issuance of your final permit by a corresponding number of working days. See instructions for more information on this review process. <input type="checkbox"/> 3-day review <input type="checkbox"/> 10-day review <input checked="" type="checkbox"/> No review requested	
8. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If yes, ATC/PTO #: <u>C-447</u>	Optional Section 11. DO YOU WANT TO PARTICIPATE IN EITHER OF THE FOLLOWING VOLUNTARY PROGRAMS: "HEALTHY AIR LIVING (HAL)" <input type="checkbox"/> Yes, please send info "INSPECT" <input type="checkbox"/> Yes, please send info  
9. IS THIS APPLICATION FOR THE CONSTRUCTION OF A NEW FACILITY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes" is checked, please complete the CEQA Information form)	
10. IS THIS APPLICATION SUBMITTED AS THE RESULT OF EITHER A NOTICE OF VIOLATION OR A NOTICE TO COMPLY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, NOV/NTC #: _____	
12. TYPE OR PRINT NAME OF APPLICANT: Mr. Phil Castro	TITLE OF APPLICANT: Plant Manager-Fresno Winery
13. SIGNATURE OF APPLICANT:  DATE: 06/01/10	PHONE #: (559) 458-2417 FAX #: (559) 458-XXXX E-MAIL: phil.castro@ejgallo.com

FOR APCD USE ONLY:

DATE STAMP:	FILING FEE RECEIVED: \$ <u>0</u>	CHECK #:
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Northern Regional Office * 4800 Enterprise Way * Modesto, California 95356-8718 * (209) 557-6400 * FAX (209) 557-6475
 Central Regional Office * 1990 East Gettysburg Avenue * Fresno, California 93726-0244 * (559) 230-5900 * FAX (559) 230-6061
 Southern Regional Office * 2700 M Street, Suite 275 * Bakersfield, California 93301-2370 * (661) 326-6900 * FAX (661) 326-6985

Rev: June, 2008

	DATE PAID: _____ PROJECT #: <u>C-1102185</u> FACILITY ID: <u>C-447</u>
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San Joaquin Valley
Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

SIGNIFICANT PERMIT MODIFICATION
 MINOR PERMIT MODIFICATION

ADMINISTRATIVE
AMENDMENT

COMPANY NAME: E&J Gallo Winery - Fresno	FACILITY ID C 447
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: E&J Gallo Winery-Fresno	
3. Agent to the Owner: Mr. Phil Castro	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:



Signature of Responsible Official

06/01/10

Date

Mr. Phil Castro

Name of Responsible Official (please print)

Plant Manager – Fresno Winery

Title of Responsible Official (please print)

**Mailing Address: Central Regional Office * 1990 E. Gettysburg Avenue * Fresno, California
93726-0244 * (559) 230-5900 * FAX (559) 230-6061**

**TVFORM-009
Rev: July 2005**

ATTACHMENT D

Previous Title V Operating Permits No.
C-447-1-9, 2-12, 3-7, and 4-7

**San Joaquin Valley
Air Pollution Control District**

PERMIT UNIT: C-447-1-9

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

62.0 MMBTU/HR B & W BOILER EQUIPPED WITH TODD LOW-NOX BURNER, FLUE GAS RECIRCULATION, O2 AND CO TRIM CONTROLLERS, AND A CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM MODEL SHELL DNOX LFR

PERMIT UNIT REQUIREMENTS

1. 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 NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on PUC-regulated natural gas and/or on scrubbed biogas from C-447-226. [District NSR Rule, and 4301, 5.2.1, Fresno County Rule 406 and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
4. The unit shall not burn more than 1,296,000 scf of biogas in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Sulfur content of the scrubbed biogas shall not exceed 50 ppmv. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Except during start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu; 0.0022 lb-PM₁₀/MMBtu; 100 ppmvd CO @ 3% O₂ (equivalent to 0.074 lb-CO/MMBtu); or 0.0025 lb-VOC/MMBtu. [District NSR Rule, 4305, and 4306] Federally Enforceable Through Title V Permit
7. During start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed either of the following limits: 0.68 lb-NO_x/hr, or 4.59 lb-CO/hr. [District NSR Rule and District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. The total duration of start-up time shall not exceed 9.0 hours per day. [District NSR Rule, 4305 and 4306] Federally Enforceable Through Title V Permit
9. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District NSR Rule, 4305, and 4306] Federally Enforceable Through Title V Permit
10. The total duration of shutdown time shall not exceed 6.0 hours per day. [District NSR Rule, 4305, and 4306] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District NSR Rule, 4305, and 4306] Federally Enforceable Through Title V Permit
12. The permittee shall record the daily startup and shutdown duration times of the boiler. [District NSR Rule, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂ over a 15 minute averaging period. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-1-9; Dec 1 2010 3:55PM - HARADERJ

14. Ammonia emission readings shall be conducted at the time the NO_x, CO, and O₂ readings are taken. The readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]
15. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
16. 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
17. 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, and 4306] Federally Enforceable Through Title V Permit
18. NO_x 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 and 4306] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 4102]
22. Source testing to measure natural gas/biogas combustion NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas/biogas, the unit shall be tested not less than once every thirty-six (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 (12) months. [District NSR Rule and District Rules 4102, 4305 and 4306] Federally Enforceable Through Title V Permit
23. 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
24. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, and 4306] Federally Enforceable Through Title V Permit
25. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
26. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements of County Rule 406 (Fresno) and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, and 4305. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
28. Compliance with permit conditions in the Title V permit shall be deemed compliance with the requirements of SJVUAPCD Rule 1081. A permit shield is granted from this requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

29. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
30. 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 NSR Rule] Federally Enforceable Through Title V Permit
31. Records of daily natural gas and biogas consumption shall be maintained on the premises. [District NSR Rule; District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. Daily emissions shall not exceed 16.4 lb NO_x, 110.1 lb CO, 3.7 lb NMHC, or 3.3 lb PM-10. [District NSR Rule] Federally Enforceable Through Title V Permit
33. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
34. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after 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 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 and 4306] Federally Enforceable Through Title V Permit
35. All alternate monitoring parameter 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 analyzer 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 (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
36. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
37. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
38. 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 and 4306] Federally Enforceable Through Title V Permit
39. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
40. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-2-12

EXPIRATION DATE: 08/30/2007

EQUIPMENT DESCRIPTION:

142.0 MMBTU/HR NEBRASKA MODEL 84 NATURAL GAS-FIRED BOILER WITH A TODD LOW NOX BURNER, FLUE GAS RECIRCULATION (FGR) SYSTEM, CRI COMPANY SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM, AND AN ABB MODEL AO2000 CEMS

PERMIT UNIT REQUIREMENTS

1. To ensure the validity of the ERCs issued by Project # 920370, NO_x emissions shall not exceed the 0.036 pound per million Btu limitation based on a 24-hour rolling average of the NO_x concentration calculated from CEMS. All performance testing shall be done in compliance with District Rules. [District NSR Rule and Rule 2301 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201 and 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-regulated natural gas. [District NSR Rule and District Rule 4301, 5.2.1, Fresno County Rule 406 and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
5. 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 for gaseous fuels. [District Rules 2520, 9.3.2, 4305, 6.2.1 and 4306, 6.2.1] Federally Enforceable Through Title V Permit
6. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Except during start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu; 0.00285 lb-SO_x/MMBtu; 0.0024 lb-PM₁₀/MMBtu; 200 ppmvd CO @ 3% O₂ (equivalent to 0.148 lb-CO/MMBtu); or 0.0027 lb-VOC/MMBtu. [District NSR Rule and District Rules 4305, and 4306, 5.1] Federally Enforceable Through Title V Permit
8. During start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed either of the following limits: 1.56 lb-NO_x/hr, or 21.0 lb-CO/hr. [District NSR Rule and District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
9. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305 and 4306, 5.3.3] Federally Enforceable Through Title V Permit
10. The total duration of startup time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, and 4306, 5.3.3] Federally Enforceable Through Title V Permit
11. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, and 4306, 5.3.3] Federally Enforceable Through Title V Permit
12. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, and 4306, 5.3.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-2-12: Dns 12010 2:35PM - HARADERJ

13. The permittee shall record the daily startup and shutdown duration times of the boiler. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
14. The ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]
15. NO_x emissions shall not exceed 0.10 lb/MMBtu including periods of startup, shutdown, or malfunction. Compliance with the 0.10 pound per million Btu limitation shall be based on a 30-day rolling average of the NO_x concentration calculated from CEMS. All performance testing shall be done in compliance with 40 CFR 60.8. [40 CFR 60.44b (c), (e), (h), and (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
16. The nitrogen oxide emission rates measured by the CEMS shall be expressed in lb/million Btu or in ng/J. The 1-hour average emission rates shall be calculated using the data points required under Section 60.13(b). The records shall also include a daily emission rate consisting of an averaged 24 hour rolling emission rate. [District NSR Rule; 40 CFR 60.48b (d) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. The procedures under Section 60.13 shall be followed for evaluation, and operation of the CEMS. [40 CFR 60.48b (e) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b (f) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The owner shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for each calendar quarter. [40 CFR 60.49b (d)] Federally Enforceable Through Title V Permit
20. The following records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NO_x emission rate, (3) Average 30-day emission rate for preceding 30 operating days, (4) Identification of daily NO_x limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of F factor used for calculations, (8) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (9) Description of modifications to the CEMS, (10) Results of daily CEMS drift tests and other tests required under Appendix B. [40 CFR 60.49b (g) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
21. Daily summaries of continuous monitoring records for each calendar quarter shall be submitted to the District within 30 days of the end of the calendar quarter. [40 CFR 60.49b (i) and 40 CFR Part 64] Federally Enforceable Through Title V Permit
22. The owner shall submit quarterly excess emission reports for any calendar quarter during which there are excess emissions. The owner shall also submit semiannual reports stating that there have been no excess emissions during periods when there have been no excess emissions. [40 CFR 60.49b (h)] Federally Enforceable Through Title V Permit
23. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District NSR Rule and District Rules 4305, and 4306, 5.3.2] Federally Enforceable Through Title V Permit
24. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x emissions in ppmv (as NO₂ corrected to 3% O₂), CO emissions in ppmv (corrected to 3% O₂) and O₂ concentrations must be recorded continuously. [District NSR Rule and District Rules 4305 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
25. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
26. Ammonia (NH₃) emission readings shall be converted to ppmvd @ 3% O₂. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

27. The permittee shall maintain records of: (1) the date and time of ammonia (NH₃) measurements, (2) the O₂ concentration in percent by volume and the measured NH₃ concentrations corrected to 3% O₂, (3) the method of determining the NH₃ emission concentration, and (4) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rule 4102]
28. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.2] Federally Enforceable Through Title V Permit
29. Source testing to measure natural gas-combustion NO_x and CO emissions, and ammonia (NH₃) emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (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 (12) months. [District Rules 4102, 4305 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
30. The facility shall source test VOC and PM₁₀ emissions from this unit upon request by the District. Emissions shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty minute test runs unless other averaging times are approved in advance. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
31. The source plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306, 5.5.1] Federally Enforceable Through Title V Permit
32. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
33. 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 Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
34. NO_x 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 and 4306, 6.2] Federally Enforceable Through Title V Permit
35. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306, 6.2] Federally Enforceable Through Title V Permit
36. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306, 6.2] Federally Enforceable Through Title V Permit
37. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District NSR Rule] Federally Enforceable Through Title V Permit
38. 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 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
39. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
40. Operation and calibration of the Continuous Emissions Monitoring System shall be in accordance with the requirements of 40 CFR, Part 60, Appendix B. [District Rules 1080 and 4001 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
41. The owner/operator shall on a perform a relative accuracy test (RATA) as specified by 40 CFR Part 60, Appendix F, and as specified by 40 CFR Part 60, Appendix B, Spec. 2, Section 7 annually. [40 CFR Part 60.13(c), District Rule 1080 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

42. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306, 6.1] Federally Enforceable Through Title V Permit
43. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed Fresno County APCD Rules: 108.1, 404, 406, and 408. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4301, 4305, 4351, and 40 CFR 60 subpart Db. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-3-7

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 12722, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
5. Natural gas fuel usage shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. During start-up and shutdown, emissions from the exhaust of the SCR serving this boiler shall not exceed any of the following limits: 0.83 lb-NO_x/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM₁₀/hr; or 0.21 lb-SO_x/hr. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
7. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
8. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
9. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
10. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
11. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
12. Except during start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂ or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; 0.0024 lb-PM₁₀/MMBtu; or 0.00285 lb-SO_x/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The ammonia (NH₃) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-3-7; Dec 12010 2:38PM - PARAGERN

14. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
15. Source testing to measure the NOx, CO and NH3 emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (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 (12) months. [District Rules 2201, 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
16. 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
17. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. NOx 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 and 4306] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
22. 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 and 4306] Federally Enforceable Through Title V Permit
23. 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
24. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. The permittee shall monitor and record the stack concentration of NH3 at least once during each month in which a source test is not performed. NH3 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
26. NH3 emission readings shall be conducted at the time the NOx, CO and O2 readings are taken. The readings shall be converted to ppmvd @ 3% O2. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

27. If the NO_x, CO or NH₃ 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 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue 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 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 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
28. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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 (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
29. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
30. Operator shall monitor and record for each unit the hmv and cumulative annual use of each fuel. [District Rule 4351, 6.1.1] Federally Enforceable Through Title V Permit
31. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. Operator shall provide that fuel hmv 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 2520, 9.3.2, 4305, 6.2.1, 4306, 6.2.1, and 4351, 6.2.1] Federally Enforceable Through Title V Permit
33. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
34. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
35. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
36. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
37. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
38. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
39. The permittee shall maintain records of the daily amount of natural gas consumed by this boiler, in standard cubic feet. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

40. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 5810 E OLIVE AVE, FRESNO, CA 93727
C-447-3-7: Dec 1 2010 3:36PM - HARADERJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-447-4-7

EXPIRATION DATE: 06/30/2007

EQUIPMENT DESCRIPTION:

75.0 MMBTU/HR BIGELOW NATURAL GAS-FIRED BOILER, S/N 576, WITH A TODD MODEL V.485.FGX LOW NOX BURNER, FLUE GAS RECIRCULATION SYSTEM, O2 TRIM CONTROLLER, AND CO TRIM CONTROLLER SERVED BY A CRI COMPANY MODEL SHELL DNOX LFR SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (Fresno)] Federally Enforceable Through Title V Permit
5. Natural gas fuel usage shall not exceed 1,353,000 standard cubic feet during any given day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. During start-up and shutdown, emissions from the exhaust of the SCR serving this boiler shall not exceed any of the following limits: 0.83 lb-NO_x/hr; 11.1 lb-CO/hr; 0.20 lb-VOC/hr; 0.18 lb-PM₁₀/hr; or 0.21 lb-SO_x/hr. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
7. The total duration of start-up time shall not exceed 9.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
8. The total duration of start-up time shall not exceed 6.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
9. The total duration of shutdown time shall not exceed 6.0 hours per day. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
10. The total duration of shutdown time shall not exceed 3.0 hours per occurrence. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
11. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
12. Except during start-up and shutdown, emissions from the exhaust of the SCR system serving this boiler shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂ or 0.148 lb-CO/MMBtu; 0.0027 lb-VOC/MMBtu; 0.0024 lb-PM₁₀/MMBtu; or 0.00285 lb-SO_x/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The ammonia (NH₃) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O₂. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: E & J GALLO WINERY
Location: 6610 E OLIVE AVE, FRESNO, CA 93727
C-447-4-7: Doc 12010 3:35PM - HARADERJ

14. 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 as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
15. Source testing to measure the NOx, CO and NH3 emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (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 (12) months. [District Rules 2201, 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
16. 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
17. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. NOx 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 and 4306] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
22. 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 and 4306] Federally Enforceable Through Title V Permit
23. 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
24. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. The permittee shall monitor and record the stack concentration of NH3 at least once during each month in which a source test is not performed. NH3 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
26. NH3 emission readings shall be conducted at the time the NOx, CO and O2 readings are taken. The readings shall be converted to ppmvd @ 3% O2. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

27. If the NO_x, CO or NH₃ 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 1 hour of operation after detection. If the portable analyzer or the ammonia monitoring equipment continue 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 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 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
28. All NO_x, CO, O₂ and NH₃ 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_x, CO and O₂ analyzer as well as the NH₃ 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 (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
29. The permittee shall maintain records of: (1) the date and time of NO_x, CO, NH₃ and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4102, 4305, and 4306] Federally Enforceable Through Title V Permit
30. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rule 4351, 6.1.1] Federally Enforceable Through Title V Permit
31. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. 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 2520, 9.3.2, 4305, 6.2.1, 4306, 6.2.1, and 4351, 6.2.1] Federally Enforceable Through Title V Permit
33. Compliance with permit conditions in the Title V permit shall be deemed compliance with subsumed requirements of County Rules 408 (Fresno) and Rule 404 (Fresno); and SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
34. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 406 (Fresno); and SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
35. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
36. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 1081 and County Rule 108.1 (Fresno). [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
37. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale and was constructed prior to June 9, 1989 without modifications or reconstruction. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
38. The permittee shall maintain daily records of start-up and shutdown durations and number of occurrences of each. [District Rules 1070, 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
39. The permittee shall maintain records of the daily amount of natural gas consumed by this boiler, in standard cubic feet. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

40. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.